

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051821\
 Data File : VX022063.D
 Acq On : 18 May 2021 19:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:57:20 PM

Quant Time: May 19 04:49:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051821W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 04:48:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	83261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	163706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	18496	5.34	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	10.68%#
35) Dibromofluoromethane	5.391	113	14691	5.46	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.92%#
50) Toluene-d8	8.653	98	53560	5.29	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.58%#
62) 4-Bromofluorobenzene	11.085	95	19691	5.22	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.44%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5414	5.20	ug/l	93
3) Chloromethane	1.295	50	6003	5.20	ug/l	97
4) Vinyl Chloride	1.374	62	6315	5.19	ug/l	89
5) Bromomethane	1.612	94	3944	5.79	ug/l	96
6) Chloroethane	1.685	64	4161	5.98	ug/l #	87
7) Trichlorofluoromethane	1.886	101	8877	5.31	ug/l	99
8) Diethyl Ether	2.136	74	4015	5.49	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	5195	5.25	ug/l	97
10) Methyl Iodide	2.453	142	4802	4.60	ug/l	97
11) Tert butyl alcohol	2.989	59	9191	29.43	ug/l	97
12) 1,1-Dichloroethene	2.319	96	5169	5.26	ug/l	93
13) Acrolein	2.239	56	5986	27.89	ug/l	89
14) Allyl chloride	2.660	41	9605	5.10	ug/l	98
15) Acrylonitrile	3.069	53	16089	26.04	ug/l	96
16) Acetone	2.386	43	14916	25.80	ug/l	99
17) Carbon Disulfide	2.514	76	13124	5.21	ug/l	96
18) Methyl Acetate	2.709	43	8163	5.26	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	17573	5.26	ug/l	94
20) Methylene Chloride	2.788	84	7192	5.46	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	5774	5.26	ug/l	94
22) Diisopropyl ether	3.770	45	17934	5.14	ug/l	91
23) Vinyl Acetate	3.727	43	87566	25.87	ug/l	98
24) 1,1-Dichloroethane	3.617	63	10985	5.34	ug/l	96
25) 2-Butanone	4.574	43	25592	26.12	ug/l	98
26) 2,2-Dichloropropane	4.483	77	8509	5.22	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	6637	5.08	ug/l	97
28) Bromochloromethane	4.910	49	5305	5.37	ug/l #	99
29) Tetrahydrofuran	5.026	42	14274	25.15	ug/l	99
30) Chloroform	5.105	83	11202	5.38	ug/l	87
31) Cyclohexane	5.477	56	9039	5.47	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	9640	5.35	ug/l	98
36) 1,1-Dichloropropene	5.702	75	8081	5.25	ug/l	98
37) Ethyl Acetate	4.733	43	10240	5.23	ug/l #	90
38) Carbon Tetrachloride	5.690	117	7677	5.00	ug/l	94
39) Methylcyclohexane	7.385	83	8895	5.44	ug/l	99
40) Benzene	6.044	78	24869	5.31	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051821\
 Data File : VX022063.D
 Acq On : 18 May 2021 19:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:57:20 PM

Quant Time: May 19 04:49:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051821W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 04:48:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	5102	4.99	ug/l	93
42) 1,2-Dichloroethane	6.092	62	8659	5.30	ug/l	99
43) Isopropyl Acetate	6.349	43	16412	5.24	ug/l	96
44) Trichloroethene	7.135	130	6176	5.32	ug/l	99
45) 1,2-Dichloropropane	7.440	63	6602	5.50	ug/l	94
46) Dibromomethane	7.586	93	4119	5.14	ug/l	96
47) Bromodichloromethane	7.830	83	8097	4.90	ug/l	99
48) Methyl methacrylate	7.696	41	7058	5.03	ug/l	93
49) 1,4-Dioxane	7.684	88	3029	104.18	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	48154	25.45	ug/l	100
52) Toluene	8.720	92	15829	5.26	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	8801	4.89	ug/l	90
54) cis-1,3-Dichloropropene	8.373	75	10059	5.10	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	5918	4.99	ug/l	96
56) Ethyl methacrylate	9.122	69	9716	4.93	ug/l	97
57) 1,3-Dichloropropane	9.311	76	11033	5.28	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.251	63	25993	24.81	ug/l	100
59) 2-Hexanone	9.433	43	35664	25.10	ug/l	99
60) Dibromochloromethane	9.525	129	5728	4.98	ug/l	97
61) 1,2-Dibromoethane	9.616	107	6206	5.06	ug/l	99
64) Tetrachloroethene	9.281	164	5247	5.55	ug/l	92
65) Chlorobenzene	10.086	112	15915	5.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	5574	5.24	ug/l	98
67) Ethyl Benzene	10.195	91	29433	5.38	ug/l	95
68) m/p-Xylenes	10.305	106	21847	10.44	ug/l	98
69) o-Xylene	10.647	106	11008	5.42	ug/l	96
70) Styrene	10.659	104	16892	4.99	ug/l	95
71) Bromoform	10.805	173	3455	4.91	ug/l #	99
73) Isopropylbenzene	10.964	105	27269	5.35	ug/l	98
74) N-amyl acetate	10.848	43	12214	4.87	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	9623	5.53	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	9201m	4.66	ug/l	
77) Bromobenzene	11.201	156	6018	5.62	ug/l	98
78) n-propylbenzene	11.305	91	31496	5.25	ug/l	100
79) 2-Chlorotoluene	11.366	91	19266	5.35	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	22916	5.40	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.025	75	2833	4.72	ug/l #	85
82) 4-Chlorotoluene	11.457	91	22135	5.31	ug/l	98
83) tert-Butylbenzene	11.720	119	22696	5.57	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	23345	5.34	ug/l	100
85) sec-Butylbenzene	11.896	105	27014	5.28	ug/l	99
86) p-Isopropyltoluene	12.012	119	22614	5.20	ug/l	97
87) 1,3-Dichlorobenzene	11.976	146	10865	5.18	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	10898	5.18	ug/l	91
89) n-Butylbenzene	12.335	91	19559	4.96	ug/l	99
90) Hexachloroethane	12.543	117	3707	5.03	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	10612	5.25	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1820	4.75	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	6262	5.31	ug/l	96
94) Hexachlorobutadiene	13.731	225	2385	5.46	ug/l	98
95) Naphthalene	13.780	128	23744	4.97	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6023	5.08	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051821\
Data File : VX022063.D
Acq On : 18 May 2021 19:48
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
5/20/2021 5:57:20 PM

Quant Time: May 19 04:49:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051821W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 04:48:29 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

