

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016933.D
 Acq On : 23 Jun 2020 16:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:32 AM

Quant Time: Jun 24 00:22:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 00:11:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	196478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	367205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	276167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	160299	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	17698	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
35) Dibromofluoromethane	5.46	113	13064	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
50) Toluene-d8	8.70	98	45545	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
62) 4-Bromofluorobenzene	11.12	95	18533	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	9026	3.939	ug/l	96
3) Chloromethane	1.32	50	10437	4.839	ug/l	99
4) Vinyl Chloride	1.40	62	9720	4.507	ug/l	97
5) Bromomethane	1.62	94	5617	4.843	ug/l	94
6) Chloroethane	1.71	64	7419	4.750	ug/l	92
7) Trichlorofluoromethane	1.92	101	17060	4.485	ug/l	94
8) Diethyl Ether	2.17	74	7020	4.853	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	9710	4.577	ug/l	96
10) Methyl Iodide	2.49	142	10898	3.982	ug/l	99
11) Tert butyl alcohol	3.02	59	16187	24.812	ug/l #	94
12) 1,1-Dichloroethene	2.35	96	9515	4.764	ug/l	85
13) Acrolein	2.28	56	5620	16.348	ug/l	90
14) Allyl chloride	2.70	41	21973	4.808	ug/l	95
15) Acrylonitrile	3.12	53	34012	23.866	ug/l	98
16) Acetone	2.42	43	28537	24.199	ug/l	96
17) Carbon Disulfide	2.55	76	30244	4.815	ug/l	95
18) Methyl Acetate	2.75	43	19008	4.867	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	41470	4.803	ug/l	96
20) Methylene Chloride	2.84	84	15008	5.102	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	12079	4.851	ug/l	98
22) Diisopropyl ether	3.83	45	33858	4.212	ug/l	90
23) Vinyl Acetate	3.79	43	131965	20.325	ug/l	97
24) 1,1-Dichloroethane	3.67	63	22011	4.755	ug/l	98
25) 2-Butanone	4.63	43	39297	21.115	ug/l	94
26) 2,2-Dichloropropane	4.54	77	17281	4.246	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	12073	4.310	ug/l	96
28) Bromochloromethane	4.98	49	11685	4.860	ug/l	94
29) Tetrahydrofuran	5.10	42	29453	25.776	ug/l	96
30) Chloroform	5.18	83	23772	4.874	ug/l	99
31) Cyclohexane	5.54	56	19161	5.195	ug/l	90
32) 1,1,1-Trichloroethane	5.46	97	20724	4.847	ug/l	98
36) 1,1-Dichloropropene	5.77	75	17001	4.855	ug/l	97
37) Ethyl Acetate	4.80	43	15993	4.157	ug/l #	90
38) Carbon Tetrachloride	5.76	117	17663	4.717	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016933.D
 Acq On : 23 Jun 2020 16:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:32 AM

Quant Time: Jun 24 00:22:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 00:11:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	18661	4.835	ug/l	96
40) Benzene	6.12	78	50281	5.011	ug/l	98
41) Methacrylonitrile	5.00	41	10434	4.655	ug/l #	94
42) 1,2-Dichloroethane	6.17	62	20821	5.056	ug/l	93
43) Isopropyl Acetate	6.41	43	33454	4.990	ug/l	97
44) Trichloroethene	7.19	130	11726	4.175	ug/l	90
45) 1,2-Dichloropropane	7.49	63	13325	4.794	ug/l	97
46) Dibromomethane	7.64	93	9443	4.915	ug/l	98
47) Bromodichloromethane	7.88	83	18875	4.684	ug/l	94
48) Methyl methacrylate	7.74	41	13540	4.344	ug/l	99
49) 1,4-Dioxane	7.72	88	6287	93.779	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	93891	24.045	ug/l	100
52) Toluene	8.76	92	31683	5.141	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	21641	4.666	ug/l	97
54) cis-1,3-Dichloropropene	8.41	75	20037	4.477	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	13231	4.740	ug/l	92
56) Ethyl methacrylate	9.16	69	18319	4.237	ug/l	96
57) 1,3-Dichloropropane	9.35	76	23111	4.940	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	43994	24.841	ug/l	99
59) 2-Hexanone	9.48	43	70109	23.447	ug/l	96
60) Dibromochloromethane	9.56	129	11292	3.698	ug/l	99
61) 1,2-Dibromoethane	9.65	107	11041	3.842	ug/l	96
64) Tetrachloroethene	9.32	164	11405	6.084	ug/l	95
65) Chlorobenzene	10.12	112	28633	5.076	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	10755	4.922	ug/l	97
67) Ethyl Benzene	10.23	91	50950	5.051	ug/l	92
68) m/p-Xylenes	10.34	106	38297	10.337	ug/l	99
69) o-Xylene	10.68	106	19213	5.429	ug/l	92
70) Styrene	10.69	104	31464	5.224	ug/l	96
71) Bromoform	10.84	173	9356	5.758	ug/l #	99
73) Isopropylbenzene	11.00	105	56808	4.776	ug/l	99
74) N-amyl acetate	10.88	43	27423	4.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	20016	5.029	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	19257m	4.196	ug/l	
77) Bromobenzene	11.24	156	14569	4.989	ug/l	97
78) n-propylbenzene	11.34	91	66729	4.921	ug/l	100
79) 2-Chlorotoluene	11.40	91	41999	4.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	48411	4.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	6636	4.304	ug/l #	86
82) 4-Chlorotoluene	11.49	91	50236	4.888	ug/l	99
83) tert-Butylbenzene	11.76	119	46139	4.704	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	49315	4.955	ug/l	98
85) sec-Butylbenzene	11.93	105	55510	5.017	ug/l	100
86) p-Isopropyltoluene	12.05	119	49807	4.864	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	26547	5.054	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	26947	5.114	ug/l	91
89) n-Butylbenzene	12.37	91	45201	4.662	ug/l	100
90) Hexachloroethane	12.58	117	9685	4.814	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	24663	4.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	3946	3.862	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
Data File : VX016933.D
Acq On : 23 Jun 2020 16:31
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:54:32 AM

Quant Time: Jun 24 00:22:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 00:11:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	14674	4.438	ug/l	99
94) Hexachlorobutadiene	13.77	225	4615	4.001	ug/l	94
95) Naphthalene	13.82	128	41314	3.677	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12277	3.839	ug/l	99

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

