

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011564.D
 Acq On : 15 Aug 2019 18:04
 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
 8/16/2019 8:29:21 AM

Quant Time: Aug 16 04:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	385555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	538345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	22172	5.58	ug/l	0.00
Spiked Amount			Recovery	=	11.16%	
35) Dibromofluoromethane	5.49	113	21441	6.32	ug/l	0.00
Spiked Amount			Recovery	=	12.64%	
50) Toluene-d8	8.71	98	62662	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	11.13	95	26748	5.80	ug/l	0.00
Spiked Amount			Recovery	=	11.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	16148	4.466	ug/l	100
3) Chloromethane	1.32	50	20048	5.599	ug/l	98
4) Vinyl Chloride	1.40	62	17727	4.939	ug/l	97
5) Bromomethane	1.63	94	8065	4.098	ug/l	94
6) Chloroethane	1.71	64	8679	3.970	ug/l	96
7) Trichlorofluoromethane	1.92	101	25600	4.327	ug/l	98
8) Diethyl Ether	2.18	74	8344	4.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17809	5.116	ug/l	96
10) Methyl Iodide	2.50	142	21304	4.609	ug/l #	97
11) Tert butyl alcohol	3.04	59	20604	21.594	ug/l	98
12) 1,1-Dichloroethene	2.36	96	17008	5.013	ug/l	99
13) Acrolein	2.29	56	10017	20.231	ug/l	96
14) Allyl chloride	2.72	41	26328	5.178	ug/l	98
15) Acrylonitrile	3.14	53	50893	25.970	ug/l	98
16) Acetone	2.43	43	46162	25.018	ug/l	97
17) Carbon Disulfide	2.56	76	38374	4.458	ug/l	96
18) Methyl Acetate	2.77	43	24408	5.385	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	51899	4.679	ug/l	97
20) Methylene Chloride	2.85	84	19307	4.949	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	18375	5.073	ug/l	92
22) Diisopropyl ether	3.85	45	55012	5.153	ug/l	94
23) Vinyl Acetate	3.81	43	223475	25.126	ug/l	98
24) 1,1-Dichloroethane	3.69	63	31600	5.142	ug/l	97
25) 2-Butanone	4.67	43	71884	26.650	ug/l	97
26) 2,2-Dichloropropane	4.57	77	24373	4.906	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	21125	5.011	ug/l	98
28) Bromochloromethane	5.01	49	14001	4.869	ug/l	99
29) Tetrahydrofuran	5.12	42	44872	26.001	ug/l	99
30) Chloroform	5.20	83	33145	5.002	ug/l	95
31) Cyclohexane	5.57	56	25999	4.668	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	27399	4.787	ug/l	94
36) 1,1-Dichloropropene	5.79	75	23375	5.227	ug/l	96
37) Ethyl Acetate	4.82	43	26058	5.593	ug/l #	94
38) Carbon Tetrachloride	5.78	117	24806	5.279	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011564.D
 Acq On : 15 Aug 2019 18:04
 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
 8/16/2019 8:29:21 AM

Quant Time: Aug 16 04:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27744	4.824	ug/l	98
40) Benzene	6.13	78	75124	5.481	ug/l	94
41) Methacrylonitrile	5.04	41	14184	5.300	ug/l #	90
42) 1,2-Dichloroethane	6.19	62	26633	5.544	ug/l	96
43) Isopropyl Acetate	6.44	43	39511	5.188	ug/l	97
44) Trichloroethene	7.21	130	21489	5.289	ug/l	93
45) 1,2-Dichloropropane	7.51	63	18184	5.194	ug/l	94
46) Dibromomethane	7.66	93	12356	4.984	ug/l	97
47) Bromodichloromethane	7.90	83	21893	4.907	ug/l	96
48) Methyl methacrylate	7.77	41	19917	5.313	ug/l	92
49) 1,4-Dioxane	7.74	88	10403	100.803	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	135792	27.394	ug/l	98
52) Toluene	8.78	92	45871	5.115	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	21708	4.540	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	24646	4.646	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	19486	5.257	ug/l	99
56) Ethyl methacrylate	9.18	69	27170	5.001	ug/l	99
57) 1,3-Dichloropropane	9.37	76	31272	5.304	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	64436	24.677	ug/l	97
59) 2-Hexanone	9.49	43	101348	26.445	ug/l	99
60) Dibromochloromethane	9.58	129	18025	4.753	ug/l	99
61) 1,2-Dibromoethane	9.67	107	20926	5.313	ug/l	98
64) Tetrachloroethene	9.34	164	20231	5.293	ug/l	97
65) Chlorobenzene	10.13	112	52120	5.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18364	5.204	ug/l	99
67) Ethyl Benzene	10.25	91	87799	5.207	ug/l	99
68) m/p-Xylenes	10.35	106	67022	10.324	ug/l	99
69) o-Xylene	10.69	106	32560	5.156	ug/l	100
70) Styrene	10.71	104	52733	4.997	ug/l	99
71) Bromoform	10.85	173	13408	4.710	ug/l #	98
73) Isopropylbenzene	11.02	105	86481	5.053	ug/l	99
74) N-amyl acetate	10.90	43	32717	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	29960	5.331	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	25294m	5.468	ug/l	
77) Bromobenzene	11.26	156	25878	5.417	ug/l	97
78) n-propylbenzene	11.36	91	90470	4.804	ug/l	99
79) 2-Chlorotoluene	11.42	91	56541	4.974	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	72718	5.090	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	5877	3.535	ug/l #	65
82) 4-Chlorotoluene	11.51	91	65987	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	72708	5.147	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	70493	4.887	ug/l	100
85) sec-Butylbenzene	11.94	105	81074	4.937	ug/l	99
86) p-Isopropyltoluene	12.06	119	75043	4.916	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	43324	5.243	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	43936	5.196	ug/l	94
89) n-Butylbenzene	12.38	91	58907	4.554	ug/l	98
90) Hexachloroethane	12.59	117	10560	4.403	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	43192	5.271	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6567	5.533	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
Data File : VX011564.D
Acq On : 15 Aug 2019 18:04
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
8/16/2019 8:29:21 AM

Quant Time: Aug 16 04:01:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29757	5.261	ug/l	98
94) Hexachlorobutadiene	13.78	225	16664	5.827	ug/l	99
95) Naphthalene	13.83	128	83732	5.041	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31285	5.537	ug/l	97

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

