

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010001.D
 Acq On : 31 May 2019 22:37
 Operator : JC/SP
 Sample : VX0531WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:25 AM

Quant Time: Jun 01 06:26:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109524	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.50	113	80554	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	324841	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.13	95	117401	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41253	20.372	ug/l	99
3) Chloromethane	1.33	50	47013	17.269	ug/l	99
4) Vinyl Chloride	1.41	62	43173	17.592	ug/l	98
5) Bromomethane	1.64	94	23052	15.503	ug/l	95
6) Chloroethane	1.72	64	26869	17.785	ug/l	96
7) Trichlorofluoromethane	1.93	101	51520	18.997	ug/l	96
8) Diethyl Ether	2.19	74	22316	17.511	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30589	18.682	ug/l	99
10) Methyl Iodide	2.51	142	22743	14.829	ug/l	100
11) Tert butyl alcohol	3.04	59	64390	111.770	ug/l	97
12) 1,1-Dichloroethene	2.37	96	31337	18.672	ug/l	98
13) Acrolein	2.29	56	28007	83.895	ug/l	100
14) Allyl chloride	2.73	41	74050	18.154	ug/l	100
15) Acrylonitrile	3.14	53	129366	93.198	ug/l	99
16) Acetone	2.45	43	118252	87.431	ug/l	100
17) Carbon Disulfide	2.57	76	91986	18.347	ug/l	100
18) Methyl Acetate	2.78	43	60458	19.211	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	119965	18.934	ug/l	100
20) Methylene Chloride	2.85	84	38265	18.475	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	33525	17.953	ug/l	99
22) Diisopropyl ether	3.85	45	145506	18.748	ug/l	98
23) Vinyl Acetate	3.82	43	642835	92.200	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70087	18.634	ug/l	99
25) 2-Butanone	4.68	43	196277	93.146	ug/l	97
26) 2,2-Dichloropropane	4.58	77	42312	14.871	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	39018	18.101	ug/l	97
28) Bromochloromethane	5.02	49	33170	16.995	ug/l	98
29) Tetrahydrofuran	5.13	42	127563	94.403	ug/l	98
30) Chloroform	5.21	83	63728	18.787	ug/l	98
31) Cyclohexane	5.58	56	67455	18.936	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	53564	19.390	ug/l	100
36) 1,1-Dichloropropene	5.80	75	48265	17.982	ug/l	99
37) Ethyl Acetate	4.84	43	71018	18.990	ug/l	98
38) Carbon Tetrachloride	5.79	117	44242	19.075	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59278	18.619	ug/l	98
40) Benzene	6.15	78	151046	18.971	ug/l	99
41) Methacrylonitrile	5.04	41	40896	18.714	ug/l	99
42) 1,2-Dichloroethane	6.19	62	55471	18.845	ug/l	99
43) Isopropyl Acetate	6.45	43	112968	18.721	ug/l	100
44) Trichloroethene	7.21	130	35755	18.488	ug/l	100
45) 1,2-Dichloropropane	7.51	63	43234	18.863	ug/l	100
46) Dibromomethane	7.66	93	24870	18.434	ug/l	99
47) Bromodichloromethane	7.90	83	48985	19.094	ug/l	99
48) Methyl methacrylate	7.77	41	55971	18.737	ug/l	98
49) 1,4-Dioxane	7.74	88	21888	393.913	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	377132	96.073	ug/l	99
52) Toluene	8.78	92	92408	19.115	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	54686	17.773	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60717	18.112	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36870	18.949	ug/l	98
56) Ethyl methacrylate	9.18	69	66824	19.291	ug/l	99
57) 1,3-Dichloropropane	9.37	76	65279	18.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172735	95.096	ug/l	100
59) 2-Hexanone	9.49	43	294073	97.303	ug/l	100
60) Dibromochloromethane	9.58	129	36422	19.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37515	18.767	ug/l	98
64) Tetrachloroethene	9.34	164	33592	20.146	ug/l	97
65) Chlorobenzene	10.13	112	94559	18.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	33611	19.391	ug/l	98
67) Ethyl Benzene	10.25	91	174943	19.496	ug/l	99
68) m/p-Xylenes	10.36	106	127482	38.456	ug/l	99
69) o-Xylene	10.69	106	62652	19.707	ug/l	98
70) Styrene	10.71	104	107238	19.236	ug/l	99
71) Bromoform	10.85	173	27640	19.508	ug/l #	99
73) Isopropylbenzene	11.02	105	167139	19.691	ug/l	100
74) N-amyl acetate	10.90	43	99672	19.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	61939	19.559	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54435m	19.787	ug/l	
77) Bromobenzene	11.26	156	41486	19.178	ug/l	97
78) n-propylbenzene	11.36	91	189747	19.394	ug/l	100
79) 2-Chlorotoluene	11.42	91	114305	19.122	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	140163	19.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18525	16.660	ug/l	92
82) 4-Chlorotoluene	11.51	91	131054	18.833	ug/l	99
83) tert-Butylbenzene	11.77	119	134203	19.616	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	139808	19.251	ug/l	99
85) sec-Butylbenzene	11.94	105	161073	19.790	ug/l	100
86) p-Isopropyltoluene	12.06	119	144800	19.779	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72782	18.899	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	73155	18.626	ug/l	99
89) n-Butylbenzene	12.38	91	128736	18.712	ug/l	100
90) Hexachloroethane	12.59	117	24648	19.619	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	73041	19.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14507	19.462	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53027	19.543	ug/l	99
94) Hexachlorobutadiene	13.78	225	26076	19.160	ug/l	99
95) Naphthalene	13.83	128	169244	20.043	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52755	19.423	ug/l	99

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

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