

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009665.D
 Acq On : 17 May 2019 16:34
 Operator : JC/SP
 Sample : VX0517WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:12:06 AM

Quant Time: May 18 05:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	153412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	236980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98916	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	5.49	113	72702	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	288914	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	108071	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24646	17.434	ug/l	98
3) Chloromethane	1.33	50	38658	20.029	ug/l	100
4) Vinyl Chloride	1.41	62	36756	19.529	ug/l	98
5) Bromomethane	1.64	94	24318	21.527	ug/l	98
6) Chloroethane	1.71	64	22998	19.032	ug/l	95
7) Trichlorofluoromethane	1.92	101	47371	20.706	ug/l	96
8) Diethyl Ether	2.19	74	22715	20.961	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29880	20.798	ug/l	98
10) Methyl Iodide	2.51	142	31949	21.975	ug/l	98
11) Tert butyl alcohol	3.06	59	56075	115.674	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28428	19.749	ug/l	93
13) Acrolein	2.29	56	42102	95.899	ug/l	96
14) Allyl chloride	2.73	41	69959	19.943	ug/l	98
15) Acrylonitrile	3.14	53	128799	108.664	ug/l	99
16) Acetone	2.45	43	128501	114.270	ug/l	99
17) Carbon Disulfide	2.57	76	73377	18.157	ug/l	100
18) Methyl Acetate	2.78	43	58387	21.832	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	116943	20.921	ug/l	100
20) Methylene Chloride	2.85	84	36170	19.865	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30960	19.832	ug/l	97
22) Diisopropyl ether	3.86	45	142881	21.180	ug/l	94
23) Vinyl Acetate	3.81	43	628056	108.720	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67706	20.345	ug/l	100
25) 2-Butanone	4.67	43	199320	114.061	ug/l	99
26) 2,2-Dichloropropane	4.58	77	51583	20.824	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37972	20.379	ug/l	99
28) Bromochloromethane	5.01	49	21292	13.915	ug/l	96
29) Tetrahydrofuran	5.13	42	127445	113.335	ug/l	99
30) Chloroform	5.21	83	63398	21.063	ug/l	98
31) Cyclohexane	5.57	56	62580	20.212	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	50724	20.244	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46317	21.031	ug/l	99
37) Ethyl Acetate	4.84	43	72103	23.498	ug/l	99
38) Carbon Tetrachloride	5.78	117	42300	21.140	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57423	21.231	ug/l	97
40) Benzene	6.14	78	144097	21.142	ug/l	100
41) Methacrylonitrile	5.04	41	39714	21.743	ug/l	96
42) 1,2-Dichloroethane	6.20	62	52874	21.626	ug/l	100
43) Isopropyl Acetate	6.45	43	109780	22.367	ug/l	100
44) Trichloroethene	7.21	130	34488	20.931	ug/l	97
45) 1,2-Dichloropropane	7.51	63	42437	21.989	ug/l	96
46) Dibromomethane	7.66	93	23525	20.991	ug/l	98
47) Bromodichloromethane	7.90	83	47884	21.419	ug/l	96
48) Methyl methacrylate	7.77	41	55620	22.841	ug/l	98
49) 1,4-Dioxane	7.74	88	22912	463.972	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	375883	117.168	ug/l	99
52) Toluene	8.78	92	89240	21.540	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54449	21.573	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60377	21.612	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37648	22.273	ug/l	99
56) Ethyl methacrylate	9.18	69	66862	22.160	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64505	21.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	137031	85.611	ug/l	100
59) 2-Hexanone	9.49	43	302244	119.959	ug/l	98
60) Dibromochloromethane	9.58	129	35423	21.457	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37233	21.822	ug/l	98
64) Tetrachloroethene	9.34	164	31654	21.580	ug/l	98
65) Chlorobenzene	10.14	112	92463	21.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32983	21.268	ug/l	99
67) Ethyl Benzene	10.25	91	170388	21.644	ug/l	98
68) m/p-Xylenes	10.36	106	126548	43.989	ug/l	99
69) o-Xylene	10.70	106	61383	21.626	ug/l	98
70) Styrene	10.71	104	107330	21.756	ug/l	98
71) Bromoform	10.85	173	26315	20.881	ug/l #	99
73) Isopropylbenzene	11.02	105	167438	21.202	ug/l	99
74) N-amyl acetate	10.90	43	98652	21.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	63206	21.469	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53383m	21.191	ug/l	
77) Bromobenzene	11.26	156	41235	21.037	ug/l	100
78) n-propylbenzene	11.36	91	191635	21.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	114296	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	142983	21.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19587	19.894	ug/l	91
82) 4-Chlorotoluene	11.51	91	132663	21.104	ug/l	100
83) tert-Butylbenzene	11.77	119	136343	21.077	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	142138	21.296	ug/l	99
85) sec-Butylbenzene	11.94	105	164410	21.438	ug/l	100
86) p-Isopropyltoluene	12.06	119	148729	21.572	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73531	21.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75018	21.294	ug/l	99
89) n-Butylbenzene	12.38	91	135943	21.816	ug/l	99
90) Hexachloroethane	12.60	117	23723	20.197	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	75124	21.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14551	22.033	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53579	22.014	ug/l	99
94) Hexachlorobutadiene	13.78	225	28118	22.623	ug/l	99
95) Naphthalene	13.83	128	171643	21.677	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53921	21.856	ug/l	99

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

