

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009446.D
 Acq On : 09 May 2019 23:11
 Operator : JC/SP
 Sample : VX0509WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:12:43 PM

Quant Time: May 10 08:25:28 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	162090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	261125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108018	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	78988	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	320628	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	115935	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28123	18.828	ug/l 98
3) Chloromethane	1.32	50	42087	20.638	ug/l 100
4) Vinyl Chloride	1.41	62	41012	20.624	ug/l 95
5) Bromomethane	1.64	94	23533	19.717	ug/l 95
6) Chloroethane	1.72	64	27168	21.280	ug/l 97
7) Trichlorofluoromethane	1.93	101	51809	21.434	ug/l 96
8) Diethyl Ether	2.19	74	23384	20.423	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30911	20.364	ug/l 98
10) Methyl Iodide	2.51	142	26730	18.357	ug/l 98
11) Tert butyl alcohol	3.04	59	52128	101.775	ug/l 99
12) 1,1-Dichloroethene	2.37	96	32178	21.158	ug/l 96
13) Acrolein	2.29	56	50245	108.320	ug/l 99
14) Allyl chloride	2.73	41	72991	19.693	ug/l 99
15) Acrylonitrile	3.14	53	127501	101.810	ug/l 99
16) Acetone	2.44	43	109523	92.180	ug/l 97
17) Carbon Disulfide	2.57	76	90711	21.244	ug/l 99
18) Methyl Acetate	2.77	43	53918	19.082	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	120774	20.450	ug/l 98
20) Methylene Chloride	2.85	84	38597	20.063	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	34219	20.746	ug/l 97
22) Diisopropyl ether	3.85	45	147608	20.709	ug/l 96
23) Vinyl Acetate	3.81	43	642352	105.241	ug/l 100
24) 1,1-Dichloroethane	3.70	63	71397	20.305	ug/l 99
25) 2-Butanone	4.67	43	186170	100.832	ug/l 100
26) 2,2-Dichloropropane	4.58	77	42927	16.401	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	40984	20.817	ug/l 97
28) Bromochloromethane	5.02	49	27813	17.889	ug/l 99
29) Tetrahydrofuran	5.13	42	123342	103.813	ug/l 100
30) Chloroform	5.21	83	65180	20.496	ug/l 97
31) Cyclohexane	5.58	56	69212	21.157	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	54389	20.545	ug/l 98
36) 1,1-Dichloropropene	5.80	75	50006	20.607	ug/l 98
37) Ethyl Acetate	4.84	43	71755	21.223	ug/l 99
38) Carbon Tetrachloride	5.78	117	44584	20.221	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61331	20.580	ug/l	99
40) Benzene	6.14	78	156546	20.845	ug/l	98
41) Methacrylonitrile	5.04	41	39845	19.797	ug/l	99
42) 1,2-Dichloroethane	6.19	62	57073	21.185	ug/l	99
43) Isopropyl Acetate	6.45	43	110687	20.467	ug/l	100
44) Trichloroethene	7.21	130	37273	20.529	ug/l	98
45) 1,2-Dichloropropane	7.51	63	43999	20.690	ug/l	99
46) Dibromomethane	7.66	93	25280	20.471	ug/l	99
47) Bromodichloromethane	7.90	83	49766	20.203	ug/l	96
48) Methyl methacrylate	7.77	41	55101	20.536	ug/l	99
49) 1,4-Dioxane	7.74	88	22825	419.471	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	366745	103.749	ug/l	100
52) Toluene	8.78	92	97503	21.358	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	54419	19.567	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61626	20.020	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38871	20.871	ug/l	96
56) Ethyl methacrylate	9.18	69	68360	20.562	ug/l	100
57) 1,3-Dichloropropane	9.37	76	68007	20.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	164470	93.253	ug/l	99
59) 2-Hexanone	9.49	43	283810	102.227	ug/l	98
60) Dibromochloromethane	9.58	129	37459	20.593	ug/l	100
61) 1,2-Dibromoethane	9.67	107	39494	21.007	ug/l	100
64) Tetrachloroethene	9.34	164	35004	21.483	ug/l	98
65) Chlorobenzene	10.13	112	98475	20.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35532	20.625	ug/l	99
67) Ethyl Benzene	10.25	91	181323	20.734	ug/l	100
68) m/p-Xylenes	10.36	106	133300	41.712	ug/l	99
69) o-Xylene	10.69	106	65152	20.663	ug/l	99
70) Styrene	10.71	104	113431	20.698	ug/l	100
71) Bromoform	10.85	173	27669	19.764	ug/l #	100
73) Isopropylbenzene	11.02	105	173574	20.918	ug/l	99
74) N-amyl acetate	10.90	43	97061	20.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62932	20.344	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55174m	20.844	ug/l	
77) Bromobenzene	11.26	156	43171	20.961	ug/l	98
78) n-propylbenzene	11.36	91	196374	20.722	ug/l	99
79) 2-Chlorotoluene	11.42	91	118143	20.207	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	145873	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18586	17.966	ug/l	93
82) 4-Chlorotoluene	11.51	91	137017	20.744	ug/l	100
83) tert-Butylbenzene	11.77	119	139214	20.482	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	146858	20.940	ug/l	99
85) sec-Butylbenzene	11.94	105	165143	20.494	ug/l	100
86) p-Isopropyltoluene	12.06	119	151530	20.917	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74501	20.291	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74691	20.178	ug/l	98
89) n-Butylbenzene	12.38	91	129391	19.761	ug/l	100
90) Hexachloroethane	12.60	117	24654	19.976	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	77000	20.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14500	20.895	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53132	20.776	ug/l	99
94) Hexachlorobutadiene	13.78	225	25999	19.908	ug/l	99
95) Naphthalene	13.83	128	175994	21.153	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54200	20.908	ug/l	99

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

