

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061290.D
 Acq On : 23 Mar 2019 19:38
 Operator : VA/AP
 Sample : VD0323SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 2:40:27 PM

Quant Time: Mar 25 07:28:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	515884	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	895836	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	718967	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	325871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	229974	53.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	6.93	113	366865	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.41	98	859426	51.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	13.55	95	338841	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	102288	20.017	ug/l	97
3) Chloromethane	1.76	50	85161	20.005	ug/l	97
4) Vinyl Chloride	1.86	62	86793	22.065	ug/l	100
5) Bromomethane	2.15	94	16375	20.698	ug/l	83
6) Chloroethane	2.27	64	24725	21.000	ug/l	92
7) Trichlorofluoromethane	2.54	101	130559	23.105	ug/l	94
8) Diethyl Ether	2.88	74	44620	23.936	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.16	101	144518	22.876	ug/l	97
10) Methyl Iodide	3.31	142	153920	19.587	ug/l	97
11) Tert butyl alcohol	4.07	59	31805	116.343	ug/l	98
12) 1,1-Dichloroethene	3.14	96	114149	22.043	ug/l	94
13) Acrolein	3.05	56	24536	62.031	ug/l	94
14) Allyl chloride	3.63	41	162302	19.589	ug/l	99
15) Acrylonitrile	4.20	53	121320	125.566	ug/l	95
16) Acetone	3.23	43	140347	114.294	ug/l	100
17) Carbon Disulfide	3.38	76	329066	18.838	ug/l	99
18) Methyl Acetate	3.65	43	50747	20.999	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	230046	25.349	ug/l	97
20) Methylene Chloride	3.83	84	160082	26.389	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	128694	22.961	ug/l	95
22) Diisopropyl ether	5.13	45	374964	21.801	ug/l	99
23) Vinyl Acetate	5.06	43	1015444	115.007	ug/l	99
24) 1,1-Dichloroethane	5.00	63	212507	22.550	ug/l	97
25) 2-Butanone	6.07	43	169176	121.414	ug/l	99
26) 2,2-Dichloropropane	6.03	77	167632	22.786	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	144172	24.244	ug/l	99
28) Bromochloromethane	6.44	49	70438	17.656	ug/l	93
29) Tetrahydrofuran	6.46	42	83723	110.656	ug/l	97
30) Chloroform	6.67	83	228073	23.351	ug/l	97
31) Cyclohexane	6.96	56	162086	21.331	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	194964	23.089	ug/l	99
36) 1,1-Dichloropropene	7.15	75	171778	22.245	ug/l	97
37) Ethyl Acetate	6.19	43	78918	21.779	ug/l	96
38) Carbon Tetrachloride	7.11	117	235323m	27.666	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	167814	20.958	ug/l	98
40) Benzene	7.46	78	409921	21.245	ug/l	98
41) Methacrylonitrile	6.44	41	88522	21.238	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	130954	23.387	ug/l	99
43) Isopropyl Acetate	9.24	43	108839	21.686	ug/l #	99
44) Trichloroethene	8.55	130	158572	23.821	ug/l	92
45) 1,2-Dichloropropane	8.94	63	109345	21.570	ug/l	100
46) Dibromomethane	9.06	93	73848	22.966	ug/l	97
47) Bromodichloromethane	9.38	83	156882	21.620	ug/l	97
48) Methyl methacrylate	9.12	41	64312	22.759	ug/l	97
49) 1,4-Dioxane	9.08	88	12148	425.140	ug/l #	94
51) 4-Methyl-2-Pentanone	10.30	43	344495	112.042	ug/l	99
52) Toluene	10.51	92	272734	22.731	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	148301	22.351	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	178642	22.408	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	95930	24.008	ug/l	96
56) Ethyl methacrylate	11.04	69	98436	23.536	ug/l	98
57) 1,3-Dichloropropane	11.41	76	139560	23.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	230333	104.042	ug/l	99
59) 2-Hexanone	11.53	43	255167	113.451	ug/l	98
60) Dibromochloromethane	11.68	129	137462	23.375	ug/l	96
61) 1,2-Dibromoethane	11.81	107	108668	23.378	ug/l	98
64) Tetrachloroethene	11.26	164	126147	25.992	ug/l	95
65) Chlorobenzene	12.40	112	330787	23.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	131534	26.180	ug/l	97
67) Ethyl Benzene	12.52	91	521621	24.858	ug/l	97
68) m/p-Xylenes	12.67	106	392272	47.629	ug/l	92
69) o-Xylene	13.05	106	188536	23.289	ug/l	94
70) Styrene	13.07	104	291337	22.039	ug/l	97
71) Bromoform	13.24	173	81553	25.162	ug/l	99
73) Isopropylbenzene	13.40	105	459228	19.554	ug/l	99
74) N-amyl acetate	13.27	43	139863	21.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	99470	21.709	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	107905	23.016	ug/l	99
77) Bromobenzene	13.67	156	144687	24.135	ug/l	95
78) n-propylbenzene	13.77	91	581640	21.155	ug/l	97
79) 2-Chlorotoluene	13.84	91	359235	23.733	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	430937	24.171	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	31977	23.135	ug/l	94
82) 4-Chlorotoluene	13.95	91	397454	22.211	ug/l	97
83) tert-Butylbenzene	14.19	119	441464	22.626	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	430937	24.171	ug/l	98
85) sec-Butylbenzene	14.37	105	586451	24.620	ug/l	99
86) p-Isopropyltoluene	14.49	119	438536	22.523	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	262084	24.483	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	262133	24.919	ug/l	98
89) n-Butylbenzene	14.80	91	418746	22.396	ug/l	95
90) Hexachloroethane	15.01	117	125924	22.904	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	215320	24.127	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12753	23.097	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	96860	23.396	µg/l	99
94) Hexachlorobutadiene	16.04	225	76800	24.526	µg/l	95
95) Naphthalene	16.12	128	159075	25.285	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48857	23.894	µg/l	97

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

