

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061330.D
 Acq On : 26 Mar 2019 8:57
 Operator : VA/AP
 Sample : VD0325SBS03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Quant Time: Mar 26 10:01:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	722745	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1251463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	992334	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	449563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	324873	52.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	6.91	113	498564	52.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.40	98	1108752	47.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	13.55	95	435738	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	155544	21.049	ug/l	95
3) Chloromethane	1.77	50	136901	23.749	ug/l	98
4) Vinyl Chloride	1.85	62	126707	23.509	ug/l	99
5) Bromomethane	2.16	94	21129	19.314	ug/l	99
6) Chloroethane	2.26	64	30243	17.836	ug/l	94
7) Trichlorofluoromethane	2.52	101	155082	19.466	ug/l	95
8) Diethyl Ether	2.88	74	53837	22.727	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	189646	23.387	ug/l	95
10) Methyl Iodide	3.31	142	208079	18.367	ug/l	96
11) Tert butyl alcohol	4.06	59	39095	117.777	ug/l	96
12) 1,1-Dichloroethene	3.13	96	169908	24.351	ug/l	96
13) Acrolein	3.04	56	42079	115.812	ug/l	99
14) Allyl chloride	3.62	41	224611	22.692	ug/l	98
15) Acrylonitrile	4.19	53	130824	112.067	ug/l	96
16) Acetone	3.22	43	165176	110.743	ug/l	99
17) Carbon Disulfide	3.38	76	525985	22.698	ug/l	99
18) Methyl Acetate	3.65	43	68235	24.203	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	271188	22.069	ug/l	100
20) Methylene Chloride	3.81	84	197989	23.388	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	173372	22.210	ug/l	99
22) Diisopropyl ether	5.12	45	487623	23.386	ug/l	97
23) Vinyl Acetate	5.05	43	1321815	118.691	ug/l	100
24) 1,1-Dichloroethane	4.99	63	284611	23.423	ug/l	98
25) 2-Butanone	6.07	43	215880	125.136	ug/l	95
26) 2,2-Dichloropropane	6.02	77	234478	22.726	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	199357	23.732	ug/l	98
28) Bromochloromethane	6.43	49	110727	21.771	ug/l	88
29) Tetrahydrofuran	6.45	42	110993	129.257	ug/l	99
30) Chloroform	6.66	83	291750	22.532	ug/l	98
31) Cyclohexane	6.94	56	222616	22.572	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	261606	22.812	ug/l	99
36) 1,1-Dichloropropene	7.14	75	225751	22.048	ug/l	98
37) Ethyl Acetate	6.18	43	99821	23.341	ug/l	99
38) Carbon Tetrachloride	7.10	117	248945	21.273	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	230535	21.740	ug/l	97
40) Benzene	7.45	78	571967	22.493	ug/l	100
41) Methacrylonitrile	6.44	41	116462	23.435	ug/l	99
42) 1,2-Dichloroethane	7.57	62	170637	21.531	ug/l	98
43) Isopropyl Acetate	9.23	43	133904	21.715	ug/l #	99
44) Trichloroethene	8.53	130	210723	22.913	ug/l	98
45) 1,2-Dichloropropane	8.93	63	145202	23.136	ug/l	98
46) Dibromomethane	9.05	93	99696	23.174	ug/l	99
47) Bromodichloromethane	9.37	83	216581	21.479	ug/l	98
48) Methyl methacrylate	9.11	41	81319	24.708	ug/l	96
49) 1,4-Dioxane	9.07	88	19074	528.199	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	430113	117.171	ug/l	97
52) Toluene	10.50	92	350734	22.542	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	199032	22.713	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	241582	22.577	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	115120	22.285	ug/l	99
56) Ethyl methacrylate	11.03	69	127674	23.162	ug/l	98
57) 1,3-Dichloropropane	11.39	76	175296	22.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	315601	110.055	ug/l	99
59) 2-Hexanone	11.52	43	328762	123.313	ug/l	100
60) Dibromochloromethane	11.68	129	187377	23.160	ug/l	99
61) 1,2-Dibromoethane	11.80	107	134069	22.213	ug/l	97
64) Tetrachloroethene	11.25	164	157841	23.090	ug/l	97
65) Chlorobenzene	12.39	112	449344	24.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	167073	23.576	ug/l	99
67) Ethyl Benzene	12.52	91	674901	24.127	ug/l	99
68) m/p-Xylenes	12.66	106	499999	45.791	ug/l	99
69) o-Xylene	13.05	106	254029	25.084	ug/l	95
70) Styrene	13.07	104	426214	24.799	ug/l	96
71) Bromoform	13.22	173	102111	23.547	ug/l #	96
73) Isopropylbenzene	13.39	105	642496	21.973	ug/l	97
74) N-amyl acetate	13.25	43	176670	23.094	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	125526	22.137	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	129249	23.118	ug/l	99
77) Bromobenzene	13.66	156	178807	21.892	ug/l	87
78) n-propylbenzene	13.77	91	831748	25.213	ug/l	97
79) 2-Chlorotoluene	13.84	91	439184	22.865	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	538973	23.365	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	40368	22.879	ug/l	94
82) 4-Chlorotoluene	13.94	91	513779	24.467	ug/l	94
83) tert-Butylbenzene	14.18	119	628166	23.850	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	538973	23.365	ug/l	97
85) sec-Butylbenzene	14.36	105	626865	21.372	ug/l	95
86) p-Isopropyltoluene	14.48	119	568026	21.707	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	321526	22.209	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	332535	23.712	ug/l	97
89) n-Butylbenzene	14.79	91	566026	24.363	ug/l	98
90) Hexachloroethane	15.01	117	166938	23.793	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	291046	25.194	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	16985	23.971	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	143693	26.933	ug/l	98
94) Hexachlorobutadiene	16.03	225	97889	22.771	ug/l	97
95) Naphthalene	16.12	128	218864	28.115	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	74273	29.806	ug/l	98

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

