

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061935.D
 Acq On : 22 Apr 2019 13:34
 Operator : VA/AP
 Sample : VD0422SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Quant Time: Apr 22 23:30:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	521845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	837222	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	842405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	379313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	235449	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	6.93	113	333852	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
50) Toluene-d8	10.41	98	916198	61.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.26%	
62) 4-Bromofluorobenzene	13.55	95	354909	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	111579	21.907	ug/l	99
3) Chloromethane	1.76	50	107022	26.365	ug/l	95
4) Vinyl Chloride	1.86	62	93601	23.234	ug/l	99
5) Bromomethane	2.15	94	21482	21.746	ug/l	95
6) Chloroethane	2.26	64	30792	22.405	ug/l	97
7) Trichlorofluoromethane	2.53	101	143208	21.919	ug/l	98
8) Diethyl Ether	2.88	74	34411	20.097	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	129349	22.203	ug/l	96
10) Methyl Iodide	3.30	142	134156	16.925	ug/l	99
11) Tert butyl alcohol	4.06	59	29350	113.795	ug/l	97
12) 1,1-Dichloroethene	3.13	96	107806	22.012	ug/l	96
13) Acrolein	3.04	56	17605	70.508	ug/l	94
14) Allyl chloride	3.62	41	145373	21.776	ug/l	97
15) Acrylonitrile	4.19	53	83441	103.051	ug/l	94
16) Acetone	3.22	43	118033	109.501	ug/l	99
17) Carbon Disulfide	3.37	76	302691	19.128	ug/l	100
18) Methyl Acetate	3.64	43	48751	22.565	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	203561	22.272	ug/l	98
20) Methylene Chloride	3.82	84	124388	20.510	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	116211	21.591	ug/l	99
22) Diisopropyl ether	5.12	45	312043	21.867	ug/l	97
23) Vinyl Acetate	5.06	43	824198	108.046	ug/l	99
24) 1,1-Dichloroethane	4.99	63	184631	21.340	ug/l	98
25) 2-Butanone	6.07	43	134640	109.715	ug/l	95
26) 2,2-Dichloropropane	6.02	77	182519	24.407	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	130360	22.342	ug/l	92
28) Bromochloromethane	6.43	49	69820	21.246	ug/l	98
29) Tetrahydrofuran	6.45	42	59998	100.369	ug/l	97
30) Chloroform	6.66	83	220931	22.894	ug/l	99
31) Cyclohexane	6.96	56	140888	21.272	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	186455	21.796	ug/l	99
36) 1,1-Dichloropropene	7.15	75	155967	22.797	ug/l	97
37) Ethyl Acetate	6.18	43	66892	22.845	ug/l #	93
38) Carbon Tetrachloride	7.11	117	198428	22.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	161803	22.775	ug/l	99
40) Benzene	7.46	78	360130	21.926	ug/l	98
41) Methacrylonitrile	6.44	41	71383	20.626	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	134701	23.548	ug/l	95
43) Isopropyl Acetate	9.24	43	95232	23.112	ug/l	100
44) Trichloroethene	8.54	130	148221	23.442	ug/l	99
45) 1,2-Dichloropropane	8.94	63	96754	22.615	ug/l	97
46) Dibromomethane	9.06	93	71053	23.308	ug/l	98
47) Bromodichloromethane	9.38	83	176324	25.072	ug/l	99
48) Methyl methacrylate	9.12	41	55816	23.045	ug/l	92
49) 1,4-Dioxane	9.08	88	12369	467.218	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	340809	135.250	ug/l	99
52) Toluene	10.51	92	269393	25.594	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	167148	26.376	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	194557	26.155	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	89155	25.137	ug/l	96
56) Ethyl methacrylate	11.04	69	107100	27.513	ug/l	98
57) 1,3-Dichloropropane	11.41	76	143831	26.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	243185	131.344	ug/l	95
59) 2-Hexanone	11.53	43	258934	138.353	ug/l	98
60) Dibromochloromethane	11.68	129	149653	25.788	ug/l	98
61) 1,2-Dibromoethane	11.81	107	110487	25.335	ug/l	96
64) Tetrachloroethene	11.26	164	122726	19.426	ug/l	98
65) Chlorobenzene	12.40	112	329395	20.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	132112	20.095	ug/l	97
67) Ethyl Benzene	12.53	91	537478	21.393	ug/l	99
68) m/p-Xylenes	12.67	106	417041	44.190	ug/l	98
69) o-Xylene	13.05	106	191628	21.603	ug/l	97
70) Styrene	13.07	104	334207	21.894	ug/l	97
71) Bromoform	13.24	173	88204	22.602	ug/l	95
73) Isopropylbenzene	13.40	105	536286	21.800	ug/l	100
74) N-amyl acetate	13.27	43	133402	20.167	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	109375	22.493	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	111687	22.421	ug/l	99
77) Bromobenzene	13.67	156	158594	22.696	ug/l	89
78) n-propylbenzene	13.78	91	638776	22.475	ug/l	98
79) 2-Chlorotoluene	13.84	91	368218	22.178	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	437198	22.399	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	28359	19.720	ug/l	95
82) 4-Chlorotoluene	13.94	91	398358	20.962	ug/l	92
83) tert-Butylbenzene	14.19	119	539169	23.525	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	434207	22.130	ug/l	98
85) sec-Butylbenzene	14.37	105	581221	24.532	ug/l	99
86) p-Isopropyltoluene	14.49	119	509054	22.963	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	274735	22.521	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	265870	22.048	ug/l	97
89) n-Butylbenzene	14.80	91	473737	24.142	ug/l	98
90) Hexachloroethane	15.01	117	131500	21.764	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	243407	23.820	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15103	25.322	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	128087	22.822	ug/l	93
94) Hexachlorobutadiene	16.04	225	90940	22.359	ug/l	97
95) Naphthalene	16.12	128	196680	22.864	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	74410	23.266	ug/l	99

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

