

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102618\
 Data File : VD060217.D
 Acq On : 26 Oct 2018 15:40
 Operator : JC/SY
 Sample : VD1026SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:15:21 PM

Quant Time: Oct 27 00:08:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1530785	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2028641	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1742025	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	926354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	600307	51.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	6.31	113	861676	55.93	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	9.45	98	2400838	54.65	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.43	95	928748	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	270284	18.770	ug/l	99
3) Chloromethane	1.76	50	283335	21.821	ug/l	99
4) Vinyl Chloride	1.85	62	235789	22.190	ug/l	100
5) Bromomethane	2.13	94	22835	17.114	ug/l	89
6) Chloroethane	2.24	64	48322	16.664	ug/l	96
7) Trichlorofluoromethane	2.50	101	268384	21.094	ug/l	98
8) Diethyl Ether	2.82	74	64895	24.804	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	185520	23.405	ug/l	97
10) Methyl Iodide	3.23	142	178276	21.209	ug/l	94
11) Tert butyl alcohol	3.97	59	83475	100.307	ug/l	95
12) 1,1-Dichloroethene	3.07	96	151528	24.266	ug/l	88
13) Acrolein	2.98	56	41118	80.152	ug/l	92
14) Allyl chloride	3.53	41	301384	23.238	ug/l	99
15) Acrylonitrile	4.08	53	380151	110.363	ug/l	97
16) Acetone	3.15	43	306790	145.708	ug/l	98
17) Carbon Disulfide	3.30	76	459638	21.889	ug/l	100
18) Methyl Acetate	3.55	43	101241	22.371	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	616289	22.447	ug/l	100
20) Methylene Chloride	3.71	84	373082	19.924	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	338070	20.962	ug/l	96
22) Diisopropyl ether	4.85	45	1316877	22.736	ug/l	94
23) Vinyl Acetate	4.80	43	3794058	116.536	ug/l	99
24) 1,1-Dichloroethane	4.75	63	586289	22.325	ug/l	99
25) 2-Butanone	5.62	43	639104	121.501	ug/l	95
26) 2,2-Dichloropropane	5.58	77	463542	23.284	ug/l	95
27) cis-1,2-Dichloroethene	5.59	96	369759	21.640	ug/l	91
28) Bromochloromethane	5.92	49	296351	23.222	ug/l	90
29) Tetrahydrofuran	5.95	42	339125	110.995	ug/l	100
30) Chloroform	6.10	83	594995	22.398	ug/l	97
31) Cyclohexane	6.36	56	529991	21.083	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	480913	22.097	ug/l	98
36) 1,1-Dichloropropene	6.51	75	445402	22.976	ug/l	96
37) Ethyl Acetate	5.69	43	312947	24.321	ug/l	99
38) Carbon Tetrachloride	6.49	117	392224	22.292	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	501684	22.777	ug/l	97
40) Benzene	6.79	78	1104896	21.786	ug/l	100
41) Methacrylonitrile	5.91	41	136948m	18.830	ug/l	
42) 1,2-Dichloroethane	6.88	62	327999	22.558	ug/l	100
43) Isopropyl Acetate	8.34	43	391669	23.137	ug/l #	100
44) Trichloroethene	7.73	130	352237	22.437	ug/l	97
45) 1,2-Dichloropropane	8.10	63	310857	23.409	ug/l	97
46) Dibromomethane	8.21	93	197944	23.024	ug/l	97
47) Bromodichloromethane	8.49	83	435478	23.772	ug/l	99
48) Methyl methacrylate	8.24	41	226132	23.451	ug/l	98
49) 1,4-Dioxane	8.22	88	44208	465.956	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	1284522	120.305	ug/l	98
52) Toluene	9.54	92	745864	22.836	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	382663	23.086	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	481026	23.501	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	256055	23.980	ug/l	97
56) Ethyl methacrylate	10.02	69	271767	23.057	ug/l	94
57) 1,3-Dichloropropane	10.38	76	382032	23.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	817088	124.836	ug/l	99
59) 2-Hexanone	10.49	43	996135	129.743	ug/l	100
60) Dibromochloromethane	10.63	129	299557	22.865	ug/l	98
61) 1,2-Dibromoethane	10.75	107	254707	22.450	ug/l	99
64) Tetrachloroethene	10.25	164	325725	21.348	ug/l	96
65) Chlorobenzene	11.31	112	795350	21.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	284446	22.625	ug/l	99
67) Ethyl Benzene	11.42	91	1406050	23.028	ug/l	98
68) m/p-Xylenes	11.56	106	1051443	46.088	ug/l	97
69) o-Xylene	11.93	106	499197	22.122	ug/l	96
70) Styrene	11.95	104	835883	22.150	ug/l	98
71) Bromoform	12.11	173	219882	21.599	ug/l	99
73) Isopropylbenzene	12.28	105	1373499	22.475	ug/l	99
74) N-amyl acetate	12.13	43	493355	22.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	288715	21.640	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	293592	22.007	ug/l	100
77) Bromobenzene	12.53	156	383977	21.621	ug/l	92
78) n-propylbenzene	12.63	91	1755101	23.129	ug/l	98
79) 2-Chlorotoluene	12.70	91	958442	22.757	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1092124	23.090	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	79664	21.252	ug/l	97
82) 4-Chlorotoluene	12.81	91	1096314	23.014	ug/l	98
83) tert-Butylbenzene	13.05	119	1242239	22.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	1116614	22.399	ug/l	98
85) sec-Butylbenzene	13.22	105	1470040	22.906	ug/l	99
86) p-Isopropyltoluene	13.34	119	1179288	22.404	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	681883	22.038	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	658147	21.177	ug/l	99
89) n-Butylbenzene	13.65	91	1223778	23.827	ug/l	99
90) Hexachloroethane	13.85	117	261544	21.469	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	596759	22.938	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38010	21.337	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	479434	21.711	ug/l	97
94) Hexachlorobutadiene	14.88	225	318966	21.730	ug/l	97
95) Naphthalene	14.96	128	683706	20.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	403956	21.029	ug/l	100

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

