

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060740.D
 Acq On : 27 Dec 2018 21:38
 Operator : VA/AP
 Sample : J6447-09MS
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:12 AM

Quant Time: Dec 28 03:11:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	201061	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	301679	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	242163	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	96475	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	168719	121.43	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	242.86%	
35) Dibromofluoromethane	6.29	113	170644	77.28	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	154.56%	
50) Toluene-d8	9.42	98	329203	49.97	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	110969	48.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	127549	49.648	ug/l	100
3) Chloromethane	1.75	50	148546	62.827	ug/l	99
4) Vinyl Chloride	1.84	62	101847	54.256	ug/l	98
5) Bromomethane	2.15	94	45015	107.055	ug/l	98
6) Chloroethane	2.25	64	44434	79.318	ug/l	96
7) Trichlorofluoromethane	2.50	101	104601	50.098	ug/l	98
8) Diethyl Ether	2.81	74	50147	143.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	54954	40.576	ug/l	94
10) Methyl Iodide	3.22	142	86214	60.571	ug/l	96
11) Tert butyl alcohol	3.94	59	55109	949.022	ug/l	99
12) 1,1-Dichloroethene	3.05	96	60819	54.653	ug/l	94
13) Acrolein	2.96	56	10363	175.124	ug/l	96
14) Allyl chloride	3.51	41	151070	73.983	ug/l	96
15) Acrylonitrile	4.06	53	311331	923.478	ug/l	97
16) Acetone	3.13	43	270432	1114.484	ug/l	99
17) Carbon Disulfide	3.29	76	174687	49.153	ug/l	98
18) Methyl Acetate	3.53	43	327685	544.896	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	413738	146.545	ug/l	98
20) Methylene Chloride	3.69	84	228723	90.763	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	144621	63.458	ug/l	99
22) Diisopropyl ether	4.82	45	697715	100.637	ug/l #	85
23) Vinyl Acetate	4.82	43	301147	89.782	ug/l #	80
24) 1,1-Dichloroethane	4.73	63	272004	74.589	ug/l	99
25) 2-Butanone	5.58	43	410742	884.585	ug/l	99
26) 2,2-Dichloropropane	5.55	77	156533	54.379	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	171548	74.151	ug/l	98
28) Bromochloromethane	5.89	49	185228	120.233	ug/l	98
29) Tetrahydrofuran	5.92	42	267879	1017.661	ug/l	98
30) Chloroform	6.06	83	297066	80.957	ug/l	96
31) Cyclohexane	6.33	56	95998	27.355	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	156676	51.609	ug/l	94
36) 1,1-Dichloropropene	6.49	75	135342	43.568	ug/l	91
37) Ethyl Acetate	5.66	43	70470	54.241	ug/l	99
38) Carbon Tetrachloride	6.46	117	114920	41.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.00	83	57451	16.216	µg/l	98
40) Benzene	6.76	78	529658	66.008	µg/l	97
41) Methacrylonitrile	5.92	41	140549m	195.577	µg/l	
42) 1,2-Dichloroethane	6.86	62	227335	114.166	µg/l	100
43) Isopropyl Acetate	8.32	43	45503	27.292	µg/l #	98
44) Trichloroethene	7.71	130	116914	49.227	µg/l	100
45) 1,2-Dichloropropane	8.07	63	155135	78.835	µg/l	99
46) Dibromomethane	8.18	93	134430	119.693	µg/l	94
47) Bromodichloromethane	8.46	83	219463	82.501	µg/l	98
48) Methyl methacrylate	8.21	41	154191	152.269	µg/l	98
49) 1,4-Dioxane	8.19	88	36066	3830.576	µg/l	98
51) 4-Methyl-2-Pentanone	9.31	43	841428	823.739	µg/l	98
52) Toluene	9.52	92	282366	56.133	µg/l	99
53) t-1,3-Dichloropropene	9.88	75	193810	87.330	µg/l	97
54) cis-1,3-Dichloropropene	9.07	75	218921	75.365	µg/l	99
55) 1,1,2-Trichloroethane	10.15	97	144668	106.888	µg/l	98
56) Ethyl methacrylate	10.00	69	32221	25.631	µg/l	98
57) 1,3-Dichloropropane	10.35	76	237467	110.692	µg/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	497272	671.328	µg/l	96
59) 2-Hexanone	10.46	43	527354	737.564	µg/l	98
60) Dibromochloromethane	10.61	129	163816	95.022	µg/l	96
61) 1,2-Dibromoethane	10.73	107	162979	116.094	µg/l	98
64) Tetrachloroethene	10.22	164	77865	35.476	µg/l	94
65) Chlorobenzene	11.29	112	283243	52.940	µg/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	122317	71.104	µg/l	95
67) Ethyl Benzene	11.41	91	407705	44.495	µg/l	97
68) m/p-Xylenes	11.55	106	296279	88.479	µg/l	97
69) o-Xylene	11.91	106	149579	47.083	µg/l	89
70) Styrene	11.93	104	250912	49.038	µg/l	94
71) Bromoform	12.10	173	115648	101.844	µg/l	96
73) Isopropylbenzene	12.25	105	296462	43.160	µg/l	99
74) N-amyl acetate	12.12	43	8223	5.072	µg/l #	91
75) 1,1,2,2-Tetrachloroethane	12.54	83	177421	159.355	µg/l	100
76) 1,2,3-Trichloropropane	12.58	75	180253	164.112	µg/l	99
77) Bromobenzene	12.52	156	126715	69.874	µg/l	99
78) n-propylbenzene	12.62	91	353316	40.234	µg/l	98
79) 2-Chlorotoluene	12.69	91	222646	47.337	µg/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	231031	43.557	µg/l	97
81) trans-1,4-Dichloro-2-buten	12.32	75	43574	143.571	µg/l	93
82) 4-Chlorotoluene	12.79	91	265931	49.883	µg/l	99
83) tert-Butylbenzene	13.03	119	261805	43.371	µg/l	100
84) 1,2,4-Trimethylbenzene	13.07	105	250861	45.921	µg/l	96
85) sec-Butylbenzene	13.20	105	206172	28.006	µg/l	99
86) p-Isopropyltoluene	13.33	119	184547	31.056	µg/l	97
87) 1,3-Dichlorobenzene	13.29	146	152359	45.767	µg/l	93
88) 1,4-Dichlorobenzene	13.38	146	169129	51.557	µg/l	98
89) n-Butylbenzene	13.63	91	146745	24.166	µg/l	96
90) Hexachloroethane	13.84	117	48003	32.883	µg/l	92
91) 1,2-Dichlorobenzene	13.64	146	156977	58.783	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	19397	148.296	µg/l	55

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	57422	27.023	ug/l	96
94) Hexachlorobutadiene	14.86	225	20961	13.345	ug/l	95
95) Naphthalene	14.95	128	145643	57.668	ug/l	97
96) 1,2,3-Trichlorobenzene	15.10	180	48170	28.999	ug/l	91

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

