

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060491.D
 Acq On : 5 Dec 2018 14:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:49:03 AM

Quant Time: Dec 06 00:56:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1696931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2384329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1885628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	907882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	218061	17.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.98%	
35) Dibromofluoromethane	6.34	113	315441	17.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.82%	
50) Toluene-d8	9.46	98	922457	17.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.66%	
62) 4-Bromofluorobenzene	12.43	95	336035	17.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.60	85	445860	28.473	ug/l	98
3) Chloromethane	1.78	50	369142	22.703	ug/l	95
4) Vinyl Chloride	1.87	62	294013	22.191	ug/l	97
5) Bromomethane	2.16	94	44169	13.848	ug/l	88
6) Chloroethane	2.27	64	73410	16.859	ug/l	99
7) Trichlorofluoromethane	2.53	101	322007	20.578	ug/l	97
8) Diethyl Ether	2.84	74	54235	19.288	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.11	101	214085	21.081	ug/l	95
10) Methyl Iodide	3.27	142	247460	18.882	ug/l	98
11) Tert butyl alcohol	3.99	59	41421	83.430	ug/l	96
12) 1,1-Dichloroethene	3.09	96	178405	21.579	ug/l	97
13) Acrolein	3.00	56	52586	90.672	ug/l	88
14) Allyl chloride	3.55	41	318969	20.087	ug/l	99
15) Acrylonitrile	4.10	53	261972	90.424	ug/l	97
16) Acetone	3.18	43	171829	81.889	ug/l	99
17) Carbon Disulfide	3.33	76	576648	21.479	ug/l	100
18) Methyl Acetate	3.58	43	94846	20.868	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	450192	18.249	ug/l	99
20) Methylene Chloride	3.74	84	395944	21.003	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	362152	19.630	ug/l	96
22) Diisopropyl ether	4.87	45	1146610	19.423	ug/l	99
23) Vinyl Acetate	4.82	43	2777897	94.222	ug/l	99
24) 1,1-Dichloroethane	4.77	63	599906	19.748	ug/l	99
25) 2-Butanone	5.63	43	346189	80.259	ug/l	99
26) 2,2-Dichloropropane	5.60	77	469049	19.957	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	371823	19.431	ug/l	100
28) Bromochloromethane	5.93	49	253725	18.930	ug/l	89
29) Tetrahydrofuran	5.96	42	203749	88.614	ug/l	100
30) Chloroform	6.11	83	599254	19.729	ug/l	97
31) Cyclohexane	6.38	56	576038	19.917	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	507103	19.879	ug/l	98
36) 1,1-Dichloropropene	6.53	75	476920	20.234	ug/l	97
37) Ethyl Acetate	5.71	43	186712	17.296	ug/l	99
38) Carbon Tetrachloride	6.50	117	423778	19.490	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	543738	20.114	ug/l	97
40) Benzene	6.80	78	1198926	19.990	ug/l	100
41) Methacrylonitrile	5.94	41	99911m	8.954	ug/l	
42) 1,2-Dichloroethane	6.91	62	293696	18.819	ug/l	100
43) Isopropyl Acetate	8.35	43	231757	17.237	ug/l #	99
44) Trichloroethene	7.74	130	355542	19.540	ug/l	97
45) 1,2-Dichloropropane	8.11	63	294867	19.540	ug/l	99
46) Dibromomethane	8.23	93	165127	18.648	ug/l	97
47) Bromodichloromethane	8.49	83	394494	18.985	ug/l	99
48) Methyl methacrylate	8.26	41	141439	17.247	ug/l	97
49) 1,4-Dioxane	8.24	88	25060	349.835	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	738737	84.309	ug/l	100
52) Toluene	9.55	92	751760	19.644	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	327903	18.761	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	425227	18.813	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	196321	17.715	ug/l	97
56) Ethyl methacrylate	10.04	69	176024	17.395	ug/l	98
57) 1,3-Dichloropropane	10.39	76	314059	18.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	568755	93.410	ug/l	99
59) 2-Hexanone	10.49	43	505065	81.328	ug/l	98
60) Dibromochloromethane	10.65	129	246948	18.363	ug/l	97
61) 1,2-Dibromoethane	10.76	107	201583	18.183	ug/l	94
64) Tetrachloroethene	10.25	164	329744	19.534	ug/l	98
65) Chlorobenzene	11.32	112	805933	19.784	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	260105	19.525	ug/l	98
67) Ethyl Benzene	11.43	91	1430894	20.459	ug/l	99
68) m/p-Xylenes	11.57	106	1005822	39.084	ug/l	100
69) o-Xylene	11.94	106	484418	19.503	ug/l	94
70) Styrene	11.96	104	792986	19.654	ug/l	97
71) Bromoform	12.11	173	162010	18.039	ug/l	98
73) Isopropylbenzene	12.28	105	1351276	20.359	ug/l	98
74) N-amyl acetate	12.13	43	312044	18.445	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.57	83	204869	19.071	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	205283	18.982	ug/l	98
77) Bromobenzene	12.55	156	347161	19.783	ug/l	90
78) n-propylbenzene	12.63	91	1706196	20.729	ug/l	95
79) 2-Chlorotoluene	12.70	91	909008	20.062	ug/l	93
80) 1,3,5-Trimethylbenzene	12.79	105	1052636	20.577	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	57119	18.540	ug/l	93
82) 4-Chlorotoluene	12.81	91	1049777	20.702	ug/l	94
83) tert-Butylbenzene	13.05	119	1140459	20.025	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	1065354	20.787	ug/l	98
85) sec-Butylbenzene	13.22	105	1469246	21.129	ug/l	95
86) p-Isopropyltoluene	13.34	119	1140676	20.401	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	633982	20.326	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	622357	20.471	ug/l	97
89) n-Butylbenzene	13.65	91	1208000	21.111	ug/l	97
90) Hexachloroethane	13.85	117	284034	21.116	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	544759	21.308	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23677	18.314	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	392616	19.387	ug/l	98
94) Hexachlorobutadiene	14.88	225	302207	20.034	ug/l	98
95) Naphthalene	14.97	128	450559	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	304130	18.792	ug/l	98

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

