

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059577.D
 Acq On : 24 Jul 2018 18:16
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:01:07 PM

Quant Time: Jul 25 06:00:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	142028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	184898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	148887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	76757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	87271	85.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.62%	
35) Dibromofluoromethane	5.51	113	82502	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
50) Toluene-d8	8.68	98	179899	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.91	95	78290	59.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.14%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.31	85	77892	69.194	ug/l	100
3) Chloromethane	1.45	50	38018	66.979	ug/l	100
4) Vinyl Chloride	1.53	62	44899	81.427	ug/l	100
5) Bromomethane	1.75	94	10776	125.150	ug/l	100
6) Chloroethane	1.83	64	23325	113.172	ug/l	100
7) Trichlorofluoromethane	2.04	101	80673	81.454	ug/l	100
8) Diethyl Ether	2.30	74	13863	81.161	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.51	101	41126	76.635	ug/l	100
10) Methyl Iodide	2.65	142	51356	73.010	ug/l	100
11) Tert butyl alcohol	3.23	59	17491	520.209	ug/l	100
12) 1,1-Dichloroethene	2.50	96	31674	74.515	ug/l	100
13) Acrolein	2.43	56	8603	250.000	ug/l	100
14) Allyl chloride	2.87	41	73315	93.840	ug/l	100
15) Acrylonitrile	3.32	53	37776	443.931	ug/l	100
16) Acetone	2.58	43	67007	533.693	ug/l	100
17) Carbon Disulfide	2.72	76	121331	80.975	ug/l	100
18) Methyl Acetate	2.89	43	25330	66.085	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	93708	63.713	ug/l	100
20) Methylene Chloride	3.03	84	34946	57.842	ug/l	100
21) trans-1,2-Dichloroethene	3.34	96	32547	61.717	ug/l	100
22) Diisopropyl ether	4.02	45	179214	69.961	ug/l	100
23) Vinyl Acetate	3.96	43	572309	434.074	ug/l	100
24) 1,1-Dichloroethane	3.92	63	121086	70.834	ug/l	100
25) 2-Butanone	4.79	43	92202	372.969	ug/l	100
26) 2,2-Dichloropropane	4.75	77	119642	104.287	ug/l	100
27) cis-1,2-Dichloroethene	4.76	96	63086	59.567	ug/l	100
28) Bromochloromethane	5.10	49	48545	78.211	ug/l	100
29) Tetrahydrofuran	5.14	42	44075	360.383	ug/l	100
30) Chloroform	5.27	83	135706	69.101	ug/l	100
31) Cyclohexane	5.56	56	75404m	63.895	ug/l	
32) 1,1,1-Trichloroethane	5.47	97	139128	79.249	ug/l	100
36) 1,1-Dichloropropene	5.71	75	86079	55.819	ug/l	100
37) Ethyl Acetate	4.88	43	46915	68.932	ug/l	100
38) Carbon Tetrachloride	5.68	117	126725	66.018	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	84200	56.326	ug/l	100
40) Benzene	5.97	78	186541	52.123	ug/l	100
41) Methacrylonitrile	5.08	41	22042	64.542	ug/l	100
42) 1,2-Dichloroethane	6.09	62	115557	75.290	ug/l	100
43) Isopropyl Acetate	7.59	43	65628	69.818	ug/l	100
44) Trichloroethene	6.95	130	70098	44.654	ug/l	100
45) 1,2-Dichloropropane	7.32	63	51698	56.844	ug/l	100
46) Dibromomethane	7.43	93	44172	61.966	ug/l	100
47) Bromodichloromethane	7.71	83	108110	64.600	ug/l	100
48) Methyl methacrylate	7.48	41	44619	70.882	ug/l	100
49) 1,4-Dioxane	7.46	88	7919	1183.449	ug/l	100
51) 4-Methyl-2-Pentanone	8.57	43	208680	330.815	ug/l	100
52) Toluene	8.78	92	122835	53.404	ug/l	100
53) t-1,3-Dichloropropene	9.16	75	92167	68.955	ug/l	100
54) cis-1,3-Dichloropropene	8.33	75	92851	63.188	ug/l	100
55) 1,1,2-Trichloroethane	9.42	97	46465	55.953	ug/l	100
56) Ethyl methacrylate	9.29	69	54049	59.888	ug/l	100
57) 1,3-Dichloropropane	9.64	76	73206	56.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.16	63	131854	322.237	ug/l	100
59) 2-Hexanone	9.76	43	160593	354.665	ug/l	100
60) Dibromochloromethane	9.94	129	77569	52.055	ug/l	100
61) 1,2-Dibromoethane	10.07	107	54647	55.923	ug/l	100
64) Tetrachloroethene	9.48	164	66304	33.204	ug/l	100
65) Chlorobenzene	10.70	112	150015	51.159	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.83	131	64259	51.439	ug/l	100
67) Ethyl Benzene	10.84	91	253982	57.894	ug/l	100
68) m/p-Xylenes	11.00	106	165299	103.258	ug/l	100
69) o-Xylene	11.39	106	81268	52.178	ug/l	100
70) Styrene	11.41	104	132557	51.503	ug/l	100
71) Bromoform	11.58	173	54796	47.550	ug/l	100
73) Isopropylbenzene	11.76	105	236763	57.563	ug/l	100
74) N-amyl acetate	11.63	43	84477	76.806	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.06	83	52475	63.315	ug/l	100
76) 1,2,3-Trichloropropane	12.10	75	60985	71.389	ug/l	100
77) Bromobenzene	12.02	156	75709	47.119	ug/l	100
78) n-propylbenzene	12.14	91	303315	63.720	ug/l	100
79) 2-Chlorotoluene	12.20	91	183250	64.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	197587	62.097	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	15463	82.793	ug/l	100
82) 4-Chlorotoluene	12.32	91	206048	65.400	ug/l	100
83) tert-Butylbenzene	12.56	119	223521	64.139	ug/l	100
84) 1,2,4-Trimethylbenzene	12.61	105	213058	64.486	ug/l	100
85) sec-Butylbenzene	12.75	105	253133	64.345	ug/l	100
86) p-Isopropyltoluene	12.88	119	213008	59.172	ug/l	100
87) 1,3-Dichlorobenzene	12.83	146	126600	48.665	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	124598	48.875	ug/l	100
89) n-Butylbenzene	13.18	91	207556	68.999	ug/l	100
90) Hexachloroethane	13.39	117	59326	61.540	ug/l	100
91) 1,2-Dichlorobenzene	13.18	146	102211	47.507	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.76	75	10875	78.238	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	87434	46.773	ug/l	100
94) Hexachlorobutadiene	14.42	225	70300	51.205	ug/l	100
95) Naphthalene	14.50	128	120462	53.190	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	77204	46.405	ug/l	100

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

