

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062742.D
 Acq On : 18 Jun 2019 11:35
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 3:04:11 PM

Quant Time: Jun 19 08:13:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	698213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	938807	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	803312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	442982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	514511	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	6.92	113	509363	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.41	98	1115978	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	13.55	95	495550	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	380701	46.732	ug/l	88
3) Chloromethane	1.74	50	323236	46.788	ug/l	98
4) Vinyl Chloride	1.85	62	329433	46.243	ug/l	98
5) Bromomethane	2.14	94	168272	46.795	ug/l	99
6) Chloroethane	2.26	64	167041	47.493	ug/l #	88
7) Trichlorofluoromethane	2.53	101	785468	49.260	ug/l	100
8) Diethyl Ether	2.87	74	97352	44.889	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	465862	54.174	ug/l	95
10) Methyl Iodide	3.29	142	552646	44.731	ug/l	96
11) Tert butyl alcohol	4.07	59	103550	250.037	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	334011	54.124	ug/l	94
13) Acrolein	3.03	56	31358	235.392	ug/l	93
14) Allyl chloride	3.61	41	516824	54.466	ug/l	93
15) Acrylonitrile	4.19	53	267526	284.271	ug/l	96
16) Acetone	3.22	43	571448	309.741	ug/l	93
17) Carbon Disulfide	3.36	76	908809	49.974	ug/l	98
18) Methyl Acetate	3.64	43	151108	49.838	ug/l #	93
19) Methyl tert-butyl Ether	4.23	73	814265	54.100	ug/l	98
20) Methylene Chloride	3.81	84	377929	54.255	ug/l #	89
21) trans-1,2-Dichloroethene	4.21	96	353486	52.219	ug/l	98
22) Diisopropyl ether	5.13	45	1040097	52.790	ug/l	89
23) Vinyl Acetate	5.05	43	3521445	288.096	ug/l	100
24) 1,1-Dichloroethane	4.98	63	665254	52.485	ug/l	97
25) 2-Butanone	6.07	43	491297	272.961	ug/l	98
26) 2,2-Dichloropropane	6.01	77	775240	53.069	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	380062	51.791	ug/l	97
28) Bromochloromethane	6.43	49	257547	53.155	ug/l	98
29) Tetrahydrofuran	6.45	42	220026	271.456	ug/l	98
30) Chloroform	6.66	83	846875	52.076	ug/l	92
31) Cyclohexane	6.95	56	426522	53.644	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	853277	52.730	ug/l	98
36) 1,1-Dichloropropene	7.14	75	556042	51.751	ug/l	94
37) Ethyl Acetate	6.18	43	232696	50.774	ug/l #	95
38) Carbon Tetrachloride	7.10	117	889100m	52.353	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	451019	51.945	ug/l	90
40) Benzene	7.45	78	1124574	53.594	ug/l	99
41) Methacrylonitrile	6.44	41	294859	52.424	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	637666	50.986	ug/l	94
43) Isopropyl Acetate	9.24	43	326494	57.590	ug/l	97
44) Trichloroethene	8.54	130	446342	52.396	ug/l	96
45) 1,2-Dichloropropane	8.94	63	272134	53.993	ug/l	96
46) Dibromomethane	9.06	93	242215	54.140	ug/l	93
47) Bromodichloromethane	9.38	83	667861	54.877	ug/l	92
48) Methyl methacrylate	9.12	41	208463	50.897	ug/l	90
49) 1,4-Dioxane	9.07	88	40197	1092.899	ug/l	85
51) 4-Methyl-2-Pentanone	10.30	43	1086853	273.978	ug/l	96
52) Toluene	10.51	92	737998	52.323	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	550712	55.192	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	562725	54.566	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	256006	52.926	ug/l	99
56) Ethyl methacrylate	11.04	69	296529	50.810	ug/l	98
57) 1,3-Dichloropropane	11.41	76	390801	52.127	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	645919	249.845	ug/l	94
59) 2-Hexanone	11.53	43	867848	294.101	ug/l	97
60) Dibromochloromethane	11.68	129	507507	53.151	ug/l	99
61) 1,2-Dibromoethane	11.81	107	321857	55.597	ug/l	100
64) Tetrachloroethene	11.26	164	408126	54.273	ug/l	94
65) Chlorobenzene	12.40	112	973201	54.770	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	440623	51.993	ug/l	96
67) Ethyl Benzene	12.52	91	1645616	52.234	ug/l	99
68) m/p-Xylenes	12.67	106	1117884	100.932	ug/l	99
69) o-Xylene	13.05	106	547013	53.777	ug/l	87
70) Styrene	13.07	104	943924	52.008	ug/l	97
71) Bromoform	13.24	173	331666	50.959	ug/l	100
73) Isopropylbenzene	13.40	105	1712563	54.849	ug/l	98
74) N-amyl acetate	13.27	43	482416	57.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	294128	55.053	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	325720	54.229	ug/l	99
77) Bromobenzene	13.67	156	475532	53.285	ug/l	94
78) n-propylbenzene	13.78	91	2048055	53.587	ug/l	95
79) 2-Chlorotoluene	13.84	91	1167032	52.150	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1501388	54.408	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	91858	51.447	ug/l	91
82) 4-Chlorotoluene	13.95	91	1453677	54.319	ug/l	98
83) tert-Butylbenzene	14.19	119	1628212	53.496	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1457652	53.350	ug/l	97
85) sec-Butylbenzene	14.37	105	1774145	55.589	ug/l	100
86) p-Isopropyltoluene	14.49	119	1683658	54.183	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	861408	53.282	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	867885	56.803	ug/l	98
89) n-Butylbenzene	14.80	91	1548378	55.389	ug/l	95
90) Hexachloroethane	15.01	117	473942	57.774	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	752123	55.966	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66976	58.690	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	542056	47.722	ug/l	98
94) Hexachlorobutadiene	16.03	225	432734	54.538	ug/l	98
95) Naphthalene	16.12	128	827039	51.353	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	436433	56.381	ug/l	100

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

