

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060799.D
 Acq On : 30 Jan 2019 11:46
 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
 2/1/2019 3:55:30 PM

Quant Time: Jan 31 06:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.82	168	587744	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.00	114	864735	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.17	117	672943	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.33	152	334073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.24	65	468306	51.97	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	6.71	113	408698	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.20	98	898846	46.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	13.36	95	453654	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	426978	59.751	ug/l	96
3) Chloromethane	1.78	50	217536	50.845	ug/l	94
4) Vinyl Chloride	1.87	62	252365	55.570	ug/l	95
5) Bromomethane	2.16	94	71452	49.806	ug/l	96
6) Chloroethane	2.27	64	100514	59.839	ug/l	97
7) Trichlorofluoromethane	2.51	101	545586	61.030	ug/l	98
8) Diethyl Ether	2.83	74	75416	57.251	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	275829	60.882	ug/l	97
10) Methyl Iodide	3.24	142	281385	59.322	ug/l	98
11) Tert butyl alcohol	3.95	59	114189	265.181	ug/l #	92
12) 1,1-Dichloroethene	3.08	96	179766	58.064	ug/l	97
13) Acrolein	2.99	56	39646	274.867	ug/l	100
14) Allyl chloride	3.53	41	402098	55.809	ug/l	98
15) Acrylonitrile	4.07	53	254042	263.302	ug/l	97
16) Acetone	3.15	43	366124	281.324	ug/l	97
17) Carbon Disulfide	3.31	76	584901	53.334	ug/l	98
18) Methyl Acetate	3.55	43	138331	53.617	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	756929	53.552	ug/l	98
20) Methylene Chloride	3.71	84	308811	54.370	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	290153	53.163	ug/l	99
22) Diisopropyl ether	4.92	45	999632	53.842	ug/l	97
23) Vinyl Acetate	4.87	43	2853810	266.919	ug/l	98
24) 1,1-Dichloroethane	4.80	63	644033	52.988	ug/l	99
25) 2-Butanone	5.86	43	466624	280.125	ug/l	97
26) 2,2-Dichloropropane	5.81	77	718508	56.105	ug/l	100
27) cis-1,2-Dichloroethene	5.83	96	318068	51.169	ug/l	98
28) Bromochloromethane	6.23	49	239261	50.462	ug/l	90
29) Tetrahydrofuran	6.26	42	215315	269.164	ug/l	99
30) Chloroform	6.45	83	805642	56.082	ug/l	96
31) Cyclohexane	6.74	56	475470	57.496	ug/l	100
32) 1,1,1-Trichloroethane	6.66	97	788280	56.981	ug/l	94
36) 1,1-Dichloropropene	6.93	75	520021	50.366	ug/l	99
37) Ethyl Acetate	5.97	43	219832	47.697	ug/l	97
38) Carbon Tetrachloride	6.90	117	669150	51.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.65	83	448966	51.925	ug/l	97
40) Benzene	7.24	78	1024895	50.295	ug/l	100
41) Methacrylonitrile	6.24	41	120687m	41.232	ug/l	
42) 1,2-Dichloroethane	7.37	62	614663	51.923	ug/l	99
43) Isopropyl Acetate	9.02	43	315490	52.483	ug/l #	96
44) Trichloroethene	8.32	130	350923	50.799	ug/l	95
45) 1,2-Dichloropropane	8.73	63	277989	50.395	ug/l	97
46) Dibromomethane	8.85	93	235714	55.045	ug/l	96
47) Bromodichloromethane	9.16	83	612206	52.966	ug/l	97
48) Methyl methacrylate	8.90	41	214726	51.800	ug/l	97
49) 1,4-Dioxane	8.87	88	35425	986.406	ug/l #	92
51) 4-Methyl-2-Pentanone	10.09	43	958389	246.195	ug/l	99
52) Toluene	10.30	92	632881	48.962	ug/l	96
53) t-1,3-Dichloropropene	10.71	75	520899	51.234	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	527469	50.592	ug/l	98
55) 1,1,2-Trichloroethane	10.99	97	210765	47.825	ug/l	97
56) Ethyl methacrylate	10.83	69	276774	51.843	ug/l	96
57) 1,3-Dichloropropane	11.21	76	388392	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.65	63	679680	242.642	ug/l	97
59) 2-Hexanone	11.34	43	796230	272.029	ug/l	96
60) Dibromochloromethane	11.48	129	399716	50.451	ug/l	99
61) 1,2-Dibromoethane	11.61	107	254814	49.096	ug/l	99
64) Tetrachloroethene	11.06	164	301924	48.886	ug/l	97
65) Chlorobenzene	12.20	112	756837	49.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.32	131	344468	52.137	ug/l	97
67) Ethyl Benzene	12.33	91	1431461	51.765	ug/l	100
68) m/p-Xylenes	12.48	106	869301	96.624	ug/l	97
69) o-Xylene	12.86	106	434804	48.830	ug/l	93
70) Styrene	12.88	104	742328	49.714	ug/l	98
71) Bromoform	13.04	173	251123	50.447	ug/l #	98
73) Isopropylbenzene	13.22	105	1341071	50.348	ug/l	99
74) N-amyl acetate	13.08	43	421967	51.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.51	83	248449	51.228	ug/l	99
76) 1,2,3-Trichloropropane	13.54	75	298412	48.712	ug/l	100
77) Bromobenzene	13.48	156	328228	47.938	ug/l	94
78) n-propylbenzene	13.58	91	1767713	52.866	ug/l	96
79) 2-Chlorotoluene	13.65	91	1082244	53.065	ug/l	95
80) 1,3,5-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.28	75	78016	48.848	ug/l #	94
82) 4-Chlorotoluene	13.76	91	1243122	54.843	ug/l	95
83) tert-Butylbenzene	14.00	119	1281678	53.424	ug/l	92
84) 1,2,4-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
85) sec-Butylbenzene	14.18	105	1436744	52.611	ug/l	97
86) p-Isopropyltoluene	14.30	119	1216698	54.876	ug/l	97
87) 1,3-Dichlorobenzene	14.27	146	616560	50.345	ug/l	97
88) 1,4-Dichlorobenzene	14.35	146	617075	51.859	ug/l	96
89) n-Butylbenzene	14.61	91	1194948	51.656	ug/l	97
90) Hexachloroethane	14.82	117	341465	51.754	ug/l	85
91) 1,2-Dichlorobenzene	14.62	146	496696	48.862	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.19	75	61071	53.003	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.76	180	490111	55.683	ug/l	98
94) Hexachlorobutadiene	15.85	225	345993	52.391	ug/l	99
95) Naphthalene	15.93	128	722225	53.405	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	393235	51.379	ug/l	98

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

