

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062516.D
 Acq On : 23 May 2019 12:20
 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
 5/24/2019 10:45:02 PM

Quant Time: May 24 01:32:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	660566	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	921191	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	712570	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	382540	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	322420	45.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	6.91	113	388014	46.69	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	10.41	98	899664	49.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	13.55	95	375468	47.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	241634	37.853	ug/l	99
3) Chloromethane	1.75	50	190358	41.598	ug/l	94
4) Vinyl Chloride	1.85	62	198683	41.260	ug/l	99
5) Bromomethane	2.14	94	71888	34.597	ug/l	93
6) Chloroethane	2.26	64	94031	40.366	ug/l	100
7) Trichlorofluoromethane	2.52	101	414924	37.293	ug/l	99
8) Diethyl Ether	2.87	74	55004	36.648	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.14	101	270359	40.845	ug/l	97
10) Methyl Iodide	3.29	142	454868	49.284	ug/l	92
11) Tert butyl alcohol	4.07	59	65829	201.693	ug/l	98
12) 1,1-Dichloroethene	3.12	96	195920	40.049	ug/l	86
13) Acrolein	3.03	56	68467	252.605	ug/l	92
14) Allyl chloride	3.61	41	332288	46.068	ug/l #	83
15) Acrylonitrile	4.19	53	184765	247.049	ug/l	89
16) Acetone	3.21	43	290349	229.145	ug/l #	86
17) Carbon Disulfide	3.37	76	679189	45.843	ug/l	100
18) Methyl Acetate	3.64	43	92194	42.166	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	510352	45.168	ug/l	93
20) Methylene Chloride	3.80	84	244867	44.620	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	268811	46.938	ug/l	89
22) Diisopropyl ether	5.11	45	711939	46.371	ug/l	95
23) Vinyl Acetate	5.04	43	2081780	224.397	ug/l	99
24) 1,1-Dichloroethane	4.97	63	432426	43.732	ug/l	98
25) 2-Butanone	6.07	43	288984	218.058	ug/l	96
26) 2,2-Dichloropropane	6.02	77	457854	42.955	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	277634	44.959	ug/l	99
28) Bromochloromethane	6.43	49	171270	48.260	ug/l	92
29) Tetrahydrofuran	6.45	42	142197	224.665	ug/l	99
30) Chloroform	6.66	83	508491	40.337	ug/l	99
31) Cyclohexane	6.94	56	314258	47.070	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	499898	39.278	ug/l	99
36) 1,1-Dichloropropene	7.14	75	365605	41.512	ug/l	96
37) Ethyl Acetate	6.18	43	149967	43.832	ug/l	97
38) Carbon Tetrachloride	7.10	117	501292m	38.298	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	315227	43.395	ug/l	94
40) Benzene	7.44	78	755012	43.704	ug/l	98
41) Methacrylonitrile	6.44	41	178709	41.588	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	354745	38.779	ug/l	96
43) Isopropyl Acetate	9.24	43	205215	45.212	ug/l	98
44) Trichloroethene	8.54	130	313012	45.253	ug/l	97
45) 1,2-Dichloropropane	8.93	63	184491	43.822	ug/l	95
46) Dibromomethane	9.06	93	152204	39.884	ug/l #	84
47) Bromodichloromethane	9.36	83	391618	40.339	ug/l	100
48) Methyl methacrylate	9.11	41	125439	41.067	ug/l	86
49) 1,4-Dioxane	9.07	88	25814	942.201	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	614096	204.801	ug/l	97
52) Toluene	10.51	92	543104	45.923	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	336465	41.629	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	378322	44.859	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	171261	42.727	ug/l	98
56) Ethyl methacrylate	11.04	69	186520	43.529	ug/l #	93
57) 1,3-Dichloropropane	11.40	76	243954	39.686	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	569701	258.924	ug/l	91
59) 2-Hexanone	11.53	43	486055	223.037	ug/l	96
60) Dibromochloromethane	11.68	129	318502	41.371	ug/l	98
61) 1,2-Dibromoethane	11.80	107	199538	40.395	ug/l	97
64) Tetrachloroethene	11.25	164	265156	44.442	ug/l	97
65) Chlorobenzene	12.39	112	606966	44.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	278661	44.055	ug/l	97
67) Ethyl Benzene	12.52	91	1101788	46.681	ug/l	98
68) m/p-Xylenes	12.66	106	759339	89.625	ug/l	93
69) o-Xylene	13.04	106	355105	44.422	ug/l	92
70) Styrene	13.06	104	607990	44.708	ug/l	93
71) Bromoform	13.23	173	190113	45.257	ug/l #	99
73) Isopropylbenzene	13.40	105	1120397	46.465	ug/l	99
74) N-amyl acetate	13.26	43	264024	44.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	183820	42.256	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	192705	42.768	ug/l	98
77) Bromobenzene	13.66	156	306158	44.758	ug/l	91
78) n-propylbenzene	13.77	91	1258304	45.051	ug/l	99
79) 2-Chlorotoluene	13.83	91	719771	42.464	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	913729	43.765	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	59291	46.657	ug/l #	76
82) 4-Chlorotoluene	13.94	91	873108	44.727	ug/l	85
83) tert-Butylbenzene	14.19	119	1004663	43.381	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	924876	43.232	ug/l	94
85) sec-Butylbenzene	14.36	105	1131302	46.849	ug/l	99
86) p-Isopropyltoluene	14.49	119	1017287	46.486	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	549817	45.516	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	540994	46.411	ug/l	99
89) n-Butylbenzene	14.80	91	922023	43.657	ug/l	95
90) Hexachloroethane	15.00	117	277708	45.918	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	455447	44.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33313	40.344	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	340483	42.098	ug/l	96
94) Hexachlorobutadiene	16.04	225	248838	41.669	ug/l	100
95) Naphthalene	16.12	128	502179	45.441	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	262155	39.539	ug/l	96

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

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