

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062361.D
 Acq On : 14 May 2019 22:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 9:45:52 AM

Quant Time: May 15 03:33:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	503950	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	728542	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	632293	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	372906	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	289490	61.81	ug/l	0.05
Spiked Amount	50.000		Recovery	=	123.62%	
35) Dibromofluoromethane	6.94	113	308148	50.98	ug/l	0.05
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.43	98	641845	44.04	ug/l	0.03
Spiked Amount	50.000		Recovery	=	88.08%	
62) 4-Bromofluorobenzene	13.57	95	296353	50.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	250591	51.992	ug/l	99
3) Chloromethane	1.76	50	147018	42.214	ug/l	97
4) Vinyl Chloride	1.86	62	155976	45.571	ug/l	98
5) Bromomethane	2.15	94	72922	90.925	ug/l	97
6) Chloroethane	2.27	64	93483	65.089	ug/l	94
7) Trichlorofluoromethane	2.53	101	472038	70.937	ug/l	96
8) Diethyl Ether	2.88	74	48655	37.913	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.15	101	253750	50.410	ug/l	95
10) Methyl Iodide	3.31	142	295632	38.859	ug/l #	70
11) Tert butyl alcohol	4.08	59	61235	256.154	ug/l	97
12) 1,1-Dichloroethene	3.13	96	172350	44.853	ug/l #	76
13) Acrolein	3.05	56	53789	217.543	ug/l	92
14) Allyl chloride	3.63	41	275981	49.397	ug/l #	76
15) Acrylonitrile	4.21	53	142999	227.580	ug/l #	85
16) Acetone	3.23	43	265134	269.958	ug/l #	77
17) Carbon Disulfide	3.38	76	456810	41.326	ug/l	99
18) Methyl Acetate	3.65	43	95623	54.466	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	458464	55.664	ug/l	94
20) Methylene Chloride	3.82	84	179304	43.725	ug/l #	82
21) trans-1,2-Dichloroethene	4.23	96	206630	48.325	ug/l	87
22) Diisopropyl ether	5.13	45	617042	51.900	ug/l #	88
23) Vinyl Acetate	5.07	43	1907102	304.027	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	386042	53.824	ug/l	97
25) 2-Butanone	6.09	43	298258	278.415	ug/l	95
26) 2,2-Dichloropropane	6.04	77	428769	60.015	ug/l	87
27) cis-1,2-Dichloroethene	6.06	96	233436	48.774	ug/l	89
28) Bromochloromethane	6.45	49	185465	65.726	ug/l #	79
29) Tetrahydrofuran	6.47	42	134662	272.817	ug/l	91
30) Chloroform	6.69	83	530799	61.408	ug/l	98
31) Cyclohexane	6.97	56	221738	45.126	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	550739	67.410	ug/l	95
36) 1,1-Dichloropropene	7.16	75	349622	58.530	ug/l	90
37) Ethyl Acetate	6.20	43	128172	50.596	ug/l	94
38) Carbon Tetrachloride	7.13	117	536559m	64.899	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	268930	46.989	ug/l	91
40) Benzene	7.47	78	641238	47.540	ug/l	97
41) Methacrylonitrile	6.46	41	177248	57.256	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	366103	64.061	ug/l	89
43) Isopropyl Acetate	9.26	43	201303	56.032	ug/l	91
44) Trichloroethene	8.56	130	237805	46.267	ug/l	74
45) 1,2-Dichloropropane	8.96	63	165125	49.492	ug/l	96
46) Dibromomethane	9.08	93	148798	54.844	ug/l	95
47) Bromodichloromethane	9.39	83	413554	62.316	ug/l	99
48) Methyl methacrylate	9.14	41	126883	57.337	ug/l #	81
49) 1,4-Dioxane	9.10	88	22097	925.469	ug/l #	81
51) 4-Methyl-2-Pentanone	10.32	43	669692	289.985	ug/l	88
52) Toluene	10.52	92	426391	48.585	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	331919	57.869	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	350131	55.957	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	174769	56.282	ug/l	94
56) Ethyl methacrylate	11.07	69	176376	54.660	ug/l #	88
57) 1,3-Dichloropropane	11.42	76	257995	54.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	573578	325.419	ug/l	100
59) 2-Hexanone	11.55	43	490029	287.894	ug/l	90
60) Dibromochloromethane	11.70	129	324173	60.407	ug/l	97
61) 1,2-Dibromoethane	11.82	107	204920	54.280	ug/l	99
64) Tetrachloroethene	11.27	164	246407	49.837	ug/l	96
65) Chlorobenzene	12.41	112	572815	48.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	293287	57.223	ug/l	92
67) Ethyl Benzene	12.54	91	1101973	55.893	ug/l	95
68) m/p-Xylenes	12.68	106	664410	92.625	ug/l	79
69) o-Xylene	13.06	106	335482	50.307	ug/l	78
70) Styrene	13.08	104	564861	50.001	ug/l #	90
71) Bromoform	13.25	173	204089	57.234	ug/l #	95
73) Isopropylbenzene	13.42	105	1008916	45.135	ug/l	94
74) N-amyl acetate	13.28	43	285186	48.662	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	197849	46.754	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	210370	47.469	ug/l	100
77) Bromobenzene	13.68	156	288225	46.061	ug/l	97
78) n-propylbenzene	13.78	91	1152287	43.214	ug/l	90
79) 2-Chlorotoluene	13.85	91	740501	48.489	ug/l	85
80) 1,3,5-Trimethylbenzene	13.95	105	903141	47.980	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.49	75	52037	41.593	ug/l #	63
82) 4-Chlorotoluene	13.96	91	887636	49.394	ug/l	82
83) tert-Butylbenzene	14.21	119	940560	44.456	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	887524	46.986	ug/l	86
85) sec-Butylbenzene	14.38	105	1032415	44.507	ug/l	98
86) p-Isopropyltoluene	14.50	119	905087	43.671	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	481496	42.122	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	503533	44.832	ug/l	97
89) n-Butylbenzene	14.81	91	963381	51.789	ug/l	93
90) Hexachloroethane	15.02	117	279398	49.573	ug/l	72
91) 1,2-Dichlorobenzene	14.82	146	451856	47.998	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.40	75	37946	54.626	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	345522	50.425	ug/l	95
94) Hexachlorobutadiene	16.05	225	264767	51.952	ug/l	100
95) Naphthalene	16.13	128	477504	49.915	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	259667	60.273	ug/l	95

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

