

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062273.D
 Acq On : 12 May 2019 22:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 11:55:48 AM

Quant Time: May 13 03:26:54 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	7.05	168	649565	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	896988	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	723919	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	406897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	326062	54.02	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	6.93	113	380775	51.16	ug/l	0.04
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.42	98	789920	44.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.04%	
62) 4-Bromofluorobenzene	13.56	95	358721	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	312825	50.354	ug/l	99
3) Chloromethane	1.75	50	196638	43.804	ug/l	99
4) Vinyl Chloride	1.84	62	190233	43.120	ug/l	93
5) Bromomethane	2.15	94	82729	80.029	ug/l	90
6) Chloroethane	2.27	64	111548	60.257	ug/l	97
7) Trichlorofluoromethane	2.53	101	499131	58.194	ug/l	97
8) Diethyl Ether	2.88	74	69563	42.053	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	331422	51.080	ug/l	98
10) Methyl Iodide	3.31	142	442373	45.112	ug/l #	89
11) Tert butyl alcohol	4.07	59	71461	231.918	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	244136	49.292	ug/l	84
13) Acrolein	3.04	56	64197	201.434	ug/l	94
14) Allyl chloride	3.62	41	327017	45.411	ug/l #	79
15) Acrylonitrile	4.20	53	185876	229.503	ug/l #	88
16) Acetone	3.22	43	315962	249.592	ug/l #	84
17) Carbon Disulfide	3.38	76	636065	44.643	ug/l	98
18) Methyl Acetate	3.65	43	103402	45.644	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	545070	51.344	ug/l	97
20) Methylene Chloride	3.81	84	245961	46.534	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	272987	49.532	ug/l	94
22) Diisopropyl ether	5.12	45	776920	50.698	ug/l	92
23) Vinyl Acetate	5.06	43	2148546	265.735	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	477122	51.611	ug/l	99
25) 2-Butanone	6.08	43	342207	247.831	ug/l	96
26) 2,2-Dichloropropane	6.03	77	475830	51.672	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	303290	49.163	ug/l	97
28) Bromochloromethane	6.44	49	217125	59.696	ug/l	84
29) Tetrahydrofuran	6.46	42	153031	240.531	ug/l	97
30) Chloroform	6.67	83	628639	56.424	ug/l	99
31) Cyclohexane	6.96	56	294145	46.442	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	587437	55.783	ug/l	99
36) 1,1-Dichloropropene	7.16	75	395297	53.749	ug/l	96
37) Ethyl Acetate	6.18	43	155552	49.874	ug/l #	92
38) Carbon Tetrachloride	7.12	117	588382m	57.802	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	341909	48.522	ug/l	95
40) Benzene	7.46	78	864687	52.067	ug/l	97
41) Methacrylonitrile	6.45	41	201341	52.825	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	403028	57.279	ug/l	92
43) Isopropyl Acetate	9.25	43	209581	47.381	ug/l	89
44) Trichloroethene	8.55	130	335171	52.964	ug/l	78
45) 1,2-Dichloropropane	8.94	63	214616	52.246	ug/l	96
46) Dibromomethane	9.07	93	185837	55.633	ug/l	92
47) Bromodichloromethane	9.38	83	470399	57.571	ug/l	99
48) Methyl methacrylate	9.13	41	136943	50.262	ug/l #	83
49) 1,4-Dioxane	9.09	88	28596	972.752	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	733336	257.912	ug/l	92
52) Toluene	10.51	92	551859	51.073	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	379569	53.749	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	404028	52.444	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	203683	53.276	ug/l	96
56) Ethyl methacrylate	11.05	69	209221	52.663	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	314344	54.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	587325	270.643	ug/l	97
59) 2-Hexanone	11.54	43	554778	264.727	ug/l	91
60) Dibromochloromethane	11.69	129	349002	52.821	ug/l	100
61) 1,2-Dibromoethane	11.81	107	234045	50.353	ug/l	99
64) Tetrachloroethene	11.26	164	294785	52.075	ug/l	97
65) Chlorobenzene	12.40	112	692883	51.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	319017	54.365	ug/l	88
67) Ethyl Benzene	12.53	91	1144479	50.701	ug/l	95
68) m/p-Xylenes	12.67	106	806012	98.144	ug/l	86
69) o-Xylene	13.05	106	379097	49.652	ug/l	84
70) Styrene	13.07	104	680224	52.592	ug/l #	92
71) Bromoform	13.24	173	223205	54.672	ug/l #	96
73) Isopropylbenzene	13.41	105	1201553	49.263	ug/l	97
74) N-amyl acetate	13.27	43	316056	49.424	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	212869	46.101	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	222112	45.932	ug/l	98
77) Bromobenzene	13.67	156	352165	51.578	ug/l	94
78) n-propylbenzene	13.78	91	1311906	45.090	ug/l	97
79) 2-Chlorotoluene	13.84	91	910550	54.644	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	1038578	50.566	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	60298	44.170	ug/l #	70
82) 4-Chlorotoluene	13.95	91	1025929	52.320	ug/l	85
83) tert-Butylbenzene	14.20	119	1145985	49.641	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1063284	51.589	ug/l	93
85) sec-Butylbenzene	14.37	105	1246260	49.237	ug/l	99
86) p-Isopropyltoluene	14.49	119	1105174	48.871	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	612945	49.142	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	602101	49.129	ug/l	99
89) n-Butylbenzene	14.81	91	1052227	51.839	ug/l	96
90) Hexachloroethane	15.01	117	318417	51.777	ug/l	80
91) 1,2-Dichlorobenzene	14.82	146	526161	51.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41378	54.591	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	410872	54.953	ug/l	98
94) Hexachlorobutadiene	16.05	225	321784	57.865	ug/l	98
95) Naphthalene	16.12	128	540968	51.825	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	313556	66.701	ug/l	98

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

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