

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067591.D
 Acq On : 11 Nov 2020 09:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:11:35 PM

Quant Time: Nov 12 00:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	401877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	378787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113302	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
35) Dibromofluoromethane	7.92	113	117454	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.34	98	409727	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.64	95	144552	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118437	48.547	ug/l	98
3) Chloromethane	2.21	50	74405	39.753	ug/l	98
4) Vinyl Chloride	2.35	62	90591	43.412	ug/l	99
5) Bromomethane	2.77	94	70075	41.431	ug/l	91
6) Chloroethane	2.92	64	54570	42.417	ug/l	99
7) Trichlorofluoromethane	3.28	101	255741	47.332	ug/l	97
8) Diethyl Ether	3.71	74	48711	44.741	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	126586	46.413	ug/l	97
10) Methyl Iodide	4.30	142	129127	44.174	ug/l	99
11) Tert butyl alcohol	5.20	59	30456	270.575	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	115125	45.890	ug/l	93
13) Acrolein	3.92	56	29723	254.259	ug/l	99
14) Allyl chloride	4.71	41	120082	44.725	ug/l	98
15) Acrylonitrile	5.42	53	90580	225.070	ug/l	99
16) Acetone	4.16	43	99083	251.937	ug/l	98
17) Carbon Disulfide	4.41	76	336023	43.712	ug/l	98
18) Methyl Acetate	4.71	43	36021	44.322	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	232808	47.047	ug/l	96
20) Methylene Chloride	4.96	84	120919	43.526	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	131863	45.128	ug/l	98
22) Diisopropyl ether	6.36	45	239355	45.747	ug/l	96
23) Vinyl Acetate	6.30	43	639457	233.482	ug/l	100
24) 1,1-Dichloroethane	6.26	63	194556	45.453	ug/l	97
25) 2-Butanone	7.21	43	93459	222.397	ug/l	90
26) 2,2-Dichloropropane	7.21	77	219945	48.687	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	142559	47.005	ug/l	99
28) Bromochloromethane	7.55	49	68863	45.229	ug/l	93
29) Tetrahydrofuran	7.56	42	57093	226.809	ug/l	97
30) Chloroform	7.71	83	246632	48.298	ug/l	99
31) Cyclohexane	7.98	56	164878	43.255	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	252348	47.895	ug/l	99
36) 1,1-Dichloropropene	8.11	75	177888	51.712	ug/l	98
37) Ethyl Acetate	7.29	43	45073	50.469	ug/l	99
38) Carbon Tetrachloride	8.10	117	245161	54.852	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214118	52.884	ug/l	95
40) Benzene	8.36	78	484867	52.035	ug/l	97
41) Methacrylonitrile	7.53	41	22528m	42.200	ug/l	
42) 1,2-Dichloroethane	8.43	62	149467	51.916	ug/l	99
43) Isopropyl Acetate	8.46	43	91015	51.530	ug/l	99
44) Trichloroethene	9.11	130	157646	51.453	ug/l	91
45) 1,2-Dichloropropane	9.39	63	101030	50.148	ug/l	97
46) Dibromomethane	9.48	93	67539	52.725	ug/l	98
47) Bromodichloromethane	9.66	83	186027	53.430	ug/l	97
48) Methyl methacrylate	9.46	41	46325	50.797	ug/l	94
49) 1,4-Dioxane	9.47	88	13587	1044.830	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	224851	266.185	ug/l	99
52) Toluene	10.41	92	341851	54.773	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	158428	53.130	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	186733	52.707	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	91013	53.699	ug/l	96
56) Ethyl methacrylate	10.66	69	94376	53.922	ug/l	97
57) 1,3-Dichloropropane	10.95	76	143500	52.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220011	269.558	ug/l	98
59) 2-Hexanone	10.98	43	169447	286.894	ug/l	98
60) Dibromochloromethane	11.14	129	135978	54.235	ug/l	99
61) 1,2-Dibromoethane	11.25	107	88605	52.088	ug/l	99
64) Tetrachloroethene	10.88	164	145892	52.006	ug/l	98
65) Chlorobenzene	11.67	112	374373	51.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	150169	52.218	ug/l	98
67) Ethyl Benzene	11.75	91	655945	52.536	ug/l	100
68) m/p-Xylenes	11.86	106	514990	106.020	ug/l	99
69) o-Xylene	12.18	106	231344	53.343	ug/l	99
70) Styrene	12.20	104	397905	52.653	ug/l	99
71) Bromoform	12.37	173	76939	52.458	ug/l #	97
73) Isopropylbenzene	12.48	105	665495	53.445	ug/l	99
74) N-amyl acetate	12.29	43	83298	50.838	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88321	52.015	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	52332m	45.024	ug/l	
77) Bromobenzene	12.77	156	159101	52.027	ug/l	96
78) n-propylbenzene	12.83	91	756337	53.102	ug/l	100
79) 2-Chlorotoluene	12.91	91	427001	52.777	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	576243	54.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28385	49.582	ug/l	97
82) 4-Chlorotoluene	13.01	91	461069	53.135	ug/l	98
83) tert-Butylbenzene	13.23	119	498697	55.318	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	570379	53.869	ug/l	99
85) sec-Butylbenzene	13.41	105	664804	54.627	ug/l	99
86) p-Isopropyltoluene	13.52	119	633648	53.918	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	302508	51.842	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	299726	50.727	ug/l	100
89) n-Butylbenzene	13.85	91	566518	55.809	ug/l	99
90) Hexachloroethane	14.11	117	118383	53.491	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	265197	52.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15720	52.290	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	183678	53.587	ug/l	99
94) Hexachlorobutadiene	15.27	225	121397	52.919	ug/l	99
95) Naphthalene	15.41	128	289192	54.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154336	52.581	ug/l	99

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

