

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067290.D
 Acq On : 16 Oct 2020 10:46
 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
 10/19/2020 11:09:25 AM

Quant Time: Oct 17 00:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162337	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.91	113	161683	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	590276	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	207090	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	129796	48.508	ug/l	95
3) Chloromethane	2.21	50	91071	43.527	ug/l	98
4) Vinyl Chloride	2.35	62	105200	45.825	ug/l	99
5) Bromomethane	2.77	94	79092	49.485	ug/l	95
6) Chloroethane	2.92	64	64582	45.172	ug/l	89
7) Trichlorofluoromethane	3.27	101	273341	47.285	ug/l	100
8) Diethyl Ether	3.71	74	59712	45.141	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	143624	46.764	ug/l	99
10) Methyl Iodide	4.30	142	131498	46.414	ug/l	98
11) Tert butyl alcohol	5.21	59	40766	232.165	ug/l	97
12) 1,1-Dichloroethene	4.07	96	127811	46.582	ug/l	93
13) Acrolein	3.92	56	41362	211.444	ug/l	98
14) Allyl chloride	4.71	41	142837	45.458	ug/l	98
15) Acrylonitrile	5.42	53	103967	235.552	ug/l	98
16) Acetone	4.16	43	123309	264.349	ug/l	99
17) Carbon Disulfide	4.41	76	351621	44.953	ug/l	99
18) Methyl Acetate	4.71	43	48474	45.561	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	257924	47.275	ug/l	99
20) Methylene Chloride	4.96	84	140841	46.854	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	146318	46.340	ug/l	93
22) Diisopropyl ether	6.36	45	283791	49.441	ug/l	97
23) Vinyl Acetate	6.30	43	821816	251.659	ug/l	99
24) 1,1-Dichloroethane	6.26	63	232596	47.338	ug/l	99
25) 2-Butanone	7.21	43	125903	236.784	ug/l	91
26) 2,2-Dichloropropane	7.21	77	243816	48.143	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	164944	47.664	ug/l	98
28) Bromochloromethane	7.55	49	82200	49.048	ug/l #	98
29) Tetrahydrofuran	7.56	42	70237	237.631	ug/l	93
30) Chloroform	7.71	83	282441	48.119	ug/l	93
31) Cyclohexane	7.98	56	171666	44.749	ug/l	87
32) 1,1,1-Trichloroethane	7.91	97	281734	48.920	ug/l	99
36) 1,1-Dichloropropene	8.11	75	202774	49.484	ug/l	99
37) Ethyl Acetate	7.29	43	59195	49.099	ug/l #	92
38) Carbon Tetrachloride	8.10	117	261474	49.925	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214458	50.061	ug/l	99
40) Benzene	8.35	78	562236	50.013	ug/l	98
41) Methacrylonitrile	7.53	41	34540	53.016	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	174207	49.518	ug/l	100
43) Isopropyl Acetate	8.45	43	115939	48.464	ug/l	99
44) Trichloroethene	9.11	130	177995	49.452	ug/l	96
45) 1,2-Dichloropropane	9.39	63	125145	48.034	ug/l	94
46) Dibromomethane	9.48	93	79096	48.726	ug/l	97
47) Bromodichloromethane	9.67	83	219275	50.418	ug/l	95
48) Methyl methacrylate	9.46	41	58696	50.488	ug/l	95
49) 1,4-Dioxane	9.46	88	15994	1018.716	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	294181	246.548	ug/l	100
52) Toluene	10.40	92	392074	51.206	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	194629	50.943	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	218463	48.860	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	111321	50.291	ug/l	98
56) Ethyl methacrylate	10.66	69	119750	52.163	ug/l	96
57) 1,3-Dichloropropane	10.95	76	179189	50.867	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	319532	271.321	ug/l	98
59) 2-Hexanone	10.99	43	213858	262.290	ug/l	98
60) Dibromochloromethane	11.14	129	162269	50.267	ug/l	99
61) 1,2-Dibromoethane	11.25	107	106924	48.997	ug/l	99
64) Tetrachloroethene	10.88	164	157591	48.372	ug/l	93
65) Chlorobenzene	11.67	112	427316	49.558	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	172443	50.319	ug/l	99
67) Ethyl Benzene	11.75	91	746442	50.501	ug/l	99
68) m/p-Xylenes	11.86	106	576641	101.310	ug/l	99
69) o-Xylene	12.18	106	259686	49.270	ug/l	99
70) Styrene	12.20	104	462706	50.997	ug/l	99
71) Bromoform	12.37	173	92461	50.221	ug/l #	97
73) Isopropylbenzene	12.48	105	750450	52.629	ug/l	100
74) N-amyl acetate	12.29	43	105583	49.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	108913	49.849	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	79054m	50.767	ug/l	
77) Bromobenzene	12.77	156	180447	50.759	ug/l	99
78) n-propylbenzene	12.83	91	860508	52.085	ug/l	100
79) 2-Chlorotoluene	12.91	91	490771	51.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	647741	52.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33698	49.073	ug/l	97
82) 4-Chlorotoluene	13.01	91	527484	51.873	ug/l	99
83) tert-Butylbenzene	13.23	119	557116	53.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	647465	52.867	ug/l	98
85) sec-Butylbenzene	13.41	105	749114	52.158	ug/l	100
86) p-Isopropyltoluene	13.52	119	706268	52.099	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	341085	49.848	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	343578	50.681	ug/l	98
89) n-Butylbenzene	13.85	91	625878	52.480	ug/l	99
90) Hexachloroethane	14.11	117	118474	50.082	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	303013	50.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20172	50.821	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203221	50.424	ug/l	99
94) Hexachlorobutadiene	15.28	225	136167	54.408	ug/l	98
95) Naphthalene	15.41	128	346300	52.336	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	181584	52.153	ug/l	99

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

