

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067531.D
 Acq On : 04 Nov 2020 20:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:11 PM

Quant Time: Nov 05 01:45:06 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	305556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	452884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	133198	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	7.92	113	133882	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.34	98	468902	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.64	95	169864	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116865	46.974	ug/l	99
3) Chloromethane	2.21	50	85312	44.836	ug/l	98
4) Vinyl Chloride	2.35	62	89801	42.331	ug/l	99
5) Bromomethane	2.77	94	75581	43.957	ug/l	99
6) Chloroethane	2.93	64	57959	44.315	ug/l	100
7) Trichlorofluoromethane	3.27	101	244148	44.448	ug/l	96
8) Diethyl Ether	3.71	74	57618	52.058	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	128763	46.441	ug/l	97
10) Methyl Iodide	4.30	142	132308	44.523	ug/l	99
11) Tert butyl alcohol	5.23	59	34119	300.409	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	119508	46.860	ug/l	97
13) Acrolein	3.92	56	38691	317.618	ug/l	98
14) Allyl chloride	4.72	41	132115	48.403	ug/l	99
15) Acrylonitrile	5.43	53	111405	272.295	ug/l	97
16) Acetone	4.16	43	89740	224.455	ug/l	100
17) Carbon Disulfide	4.41	76	353944	45.291	ug/l	99
18) Methyl Acetate	4.72	43	43205	52.294	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	278440	55.350	ug/l	94
20) Methylene Chloride	4.97	84	141765	50.196	ug/l	99
21) trans-1,2-Dichloroethene	5.48	96	139885	47.092	ug/l	94
22) Diisopropyl ether	6.37	45	278706	52.398	ug/l	95
23) Vinyl Acetate	6.31	43	781694	280.757	ug/l	99
24) 1,1-Dichloroethane	6.27	63	211783	48.670	ug/l	97
25) 2-Butanone	7.22	43	115678	270.775	ug/l	99
26) 2,2-Dichloropropane	7.21	77	209937	45.713	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	155925	50.572	ug/l	100
28) Bromochloromethane	7.55	49	85684	55.358	ug/l	98
29) Tetrahydrofuran	7.56	42	74719	291.984	ug/l	98
30) Chloroform	7.71	83	261719	50.415	ug/l	98
31) Cyclohexane	7.99	56	164485	42.447	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	256386	47.867	ug/l	98
36) 1,1-Dichloropropene	8.11	75	183893	47.437	ug/l	99
37) Ethyl Acetate	7.29	43	57549	57.181	ug/l	96
38) Carbon Tetrachloride	8.10	117	240125	47.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216622	47.477	ug/l	96
40) Benzene	8.36	78	523926	49.894	ug/l	100
41) Methacrylonitrile	7.53	41	29472	48.990	ug/l	97
42) 1,2-Dichloroethane	8.43	62	163113	50.275	ug/l	99
43) Isopropyl Acetate	8.46	43	106089	53.300	ug/l	99
44) Trichloroethene	9.12	130	162605	47.094	ug/l	99
45) 1,2-Dichloropropane	9.39	63	113113	49.822	ug/l	94
46) Dibromomethane	9.48	93	74749	51.781	ug/l	98
47) Bromodichloromethane	9.67	83	201776	51.426	ug/l	96
48) Methyl methacrylate	9.46	41	50925	49.552	ug/l #	83
49) 1,4-Dioxane	9.46	88	16992	1159.506	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	266295	279.743	ug/l	100
52) Toluene	10.41	92	354122	50.348	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175977	52.368	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	203689	51.018	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	102527	53.679	ug/l	99
56) Ethyl methacrylate	10.67	69	110681	56.115	ug/l	99
57) 1,3-Dichloropropane	10.96	76	161225	52.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	275306	299.316	ug/l	98
59) 2-Hexanone	10.99	43	185494	278.691	ug/l	100
60) Dibromochloromethane	11.14	129	150121	53.133	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103319	53.898	ug/l	97
64) Tetrachloroethene	10.88	164	145189	45.951	ug/l	96
65) Chlorobenzene	11.67	112	397069	48.315	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	160020	49.403	ug/l	98
67) Ethyl Benzene	11.75	91	680600	48.396	ug/l	98
68) m/p-Xylenes	11.86	106	532212	97.276	ug/l	98
69) o-Xylene	12.18	106	243025	49.751	ug/l	99
70) Styrene	12.20	104	420589	49.412	ug/l	100
71) Bromoform	12.37	173	85558	51.792	ug/l #	98
73) Isopropylbenzene	12.48	105	676016	48.710	ug/l	100
74) N-amyl acetate	12.29	43	95388	52.234	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	98814	52.214	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	73088m	56.419	ug/l	
77) Bromobenzene	12.77	156	166156	48.750	ug/l	98
78) n-propylbenzene	12.83	91	761351	47.961	ug/l	100
79) 2-Chlorotoluene	12.91	91	444338	49.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	581169	49.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31214	48.920	ug/l	97
82) 4-Chlorotoluene	13.01	91	468252	48.417	ug/l	99
83) tert-Butylbenzene	13.23	119	500320	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	586554	49.703	ug/l	98
85) sec-Butylbenzene	13.41	105	654770	48.273	ug/l	100
86) p-Isopropyltoluene	13.52	119	625656	47.766	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	316366	48.644	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	311877	47.359	ug/l	99
89) n-Butylbenzene	13.84	91	535123	47.298	ug/l	99
90) Hexachloroethane	14.11	117	118433	48.014	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	278597	49.496	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17796	53.111	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	190347	49.825	ug/l	98
94) Hexachlorobutadiene	15.27	225	116395	45.524	ug/l	98
95) Naphthalene	15.41	128	330024	55.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	163933	50.110	ug/l	97

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

