

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067181.D
 Acq On : 08 Oct 2020 05:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:40 PM

Quant Time: Oct 08 09:09:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	314979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	478213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235584	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	158131	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.91	113	169385	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	604225	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	215104	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135122	53.650	ug/l	93
3) Chloromethane	2.21	50	107027	42.667	ug/l	90
4) Vinyl Chloride	2.35	62	110103	43.775	ug/l	98
5) Bromomethane	2.77	94	90704	56.512	ug/l	93
6) Chloroethane	2.92	64	71999	47.005	ug/l	90
7) Trichlorofluoromethane	3.27	101	259040	46.355	ug/l	96
8) Diethyl Ether	3.70	74	70409	50.810	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	134144	42.471	ug/l	95
10) Methyl Iodide	4.30	142	145238	47.324	ug/l	97
11) Tert butyl alcohol	5.22	59	44915	253.240	ug/l	97
12) 1,1-Dichloroethene	4.07	96	135542	45.649	ug/l	96
13) Acrolein	3.92	56	43680	215.017	ug/l	93
14) Allyl chloride	4.71	41	167518	43.429	ug/l	90
15) Acrylonitrile	5.43	53	122756	240.691	ug/l	99
16) Acetone	4.16	43	105045	226.820	ug/l	98
17) Carbon Disulfide	4.41	76	402764	44.200	ug/l	98
18) Methyl Acetate	4.71	43	63097	54.208	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	297713	54.925	ug/l	96
20) Methylene Chloride	4.96	84	181078	55.967	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	168994	50.012	ug/l	95
22) Diisopropyl ether	6.36	45	339710	48.240	ug/l	98
23) Vinyl Acetate	6.30	43	963224	241.382	ug/l	96
24) 1,1-Dichloroethane	6.27	63	265609	48.873	ug/l	97
25) 2-Butanone	7.21	43	149276	227.347	ug/l	92
26) 2,2-Dichloropropane	7.21	77	217773	46.579	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	189785	52.588	ug/l	95
28) Bromochloromethane	7.54	49	104879	49.971	ug/l	87
29) Tetrahydrofuran	7.56	42	89693	237.573	ug/l	93
30) Chloroform	7.71	83	313487	53.174	ug/l	99
31) Cyclohexane	7.99	56	172861	37.939	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	282316	51.671	ug/l	98
36) 1,1-Dichloropropene	8.11	75	213691	45.762	ug/l	98
37) Ethyl Acetate	7.29	43	72077	44.555	ug/l	96
38) Carbon Tetrachloride	8.10	117	258852	51.233	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214204	43.388	ug/l	94
40) Benzene	8.35	78	638957	49.263	ug/l	99
41) Methacrylonitrile	7.53	41	41861	47.899	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	194524	53.672	ug/l	96
43) Isopropyl Acetate	8.45	43	136219	45.709	ug/l	95
44) Trichloroethene	9.11	130	196383	50.705	ug/l	98
45) 1,2-Dichloropropane	9.38	63	151175	49.606	ug/l	100
46) Dibromomethane	9.48	93	91038	51.976	ug/l	95
47) Bromodichloromethane	9.66	83	241541	53.050	ug/l #	97
48) Methyl methacrylate	9.46	41	70168	45.959	ug/l #	79
49) 1,4-Dioxane	9.46	88	18452	1009.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	364400	245.486	ug/l	99
52) Toluene	10.40	92	444660	53.221	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	212815	52.299	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	250553	50.424	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	124650	51.187	ug/l	90
56) Ethyl methacrylate	10.66	69	140788	55.998	ug/l	97
57) 1,3-Dichloropropane	10.95	76	208320	52.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	367250	262.442	ug/l	93
59) 2-Hexanone	10.98	43	246275	248.574	ug/l	95
60) Dibromochloromethane	11.14	129	179554	55.321	ug/l	96
61) 1,2-Dibromoethane	11.25	107	125263	53.542	ug/l	98
64) Tetrachloroethene	10.87	164	174093	50.075	ug/l	92
65) Chlorobenzene	11.67	112	475130	49.956	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	189262	52.313	ug/l	98
67) Ethyl Benzene	11.74	91	829262	50.887	ug/l	99
68) m/p-Xylenes	11.86	106	638428	100.526	ug/l	98
69) o-Xylene	12.18	106	298963	52.641	ug/l	97
70) Styrene	12.20	104	516566	52.969	ug/l	99
71) Bromoform	12.36	173	105085	55.957	ug/l #	97
73) Isopropylbenzene	12.48	105	812788	50.810	ug/l	99
74) N-amyl acetate	12.29	43	128742	44.770	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	127575	47.335	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	73956m	36.041	ug/l	
77) Bromobenzene	12.77	156	199390	51.621	ug/l	95
78) n-propylbenzene	12.83	91	915078	48.404	ug/l	98
79) 2-Chlorotoluene	12.91	91	542332	50.140	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	701161	51.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	37012	44.968	ug/l	99
82) 4-Chlorotoluene	13.01	91	579704	50.373	ug/l	100
83) tert-Butylbenzene	13.23	119	584275	51.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	700370	51.927	ug/l	98
85) sec-Butylbenzene	13.41	105	784740	48.962	ug/l	99
86) p-Isopropyltoluene	13.52	119	731939	49.258	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	374062	49.719	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	373128	49.600	ug/l	99
89) n-Butylbenzene	13.85	91	640985	47.201	ug/l	100
90) Hexachloroethane	14.12	117	126271	48.513	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	330318	50.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21419	49.301	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230048	54.128	ug/l	99
94) Hexachlorobutadiene	15.28	225	126825	48.589	ug/l	98
95) Naphthalene	15.41	128	394806	55.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	200612	54.374	ug/l	98

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

