

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066824.D
 Acq On : 23 Sep 2020 10:11
 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
 9/24/2020 1:36:43 PM

Quant Time: Sep 23 15:49:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	441259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188307	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
35) Dibromofluoromethane	7.91	113	195117	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.33	98	703179	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.63	95	239098	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	147734	47.753	ug/l	95
3) Chloromethane	2.21	50	173580	42.814	ug/l	99
4) Vinyl Chloride	2.35	62	185354	46.277	ug/l	98
5) Bromomethane	2.77	94	117133	41.607	ug/l	93
6) Chloroethane	2.93	64	109589	44.059	ug/l #	84
7) Trichlorofluoromethane	3.27	101	375687	45.671	ug/l	95
8) Diethyl Ether	3.71	74	92864	44.468	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221838	46.508	ug/l	99
10) Methyl Iodide	4.30	142	225040	53.465	ug/l	97
11) Tert butyl alcohol	5.21	59	50051	178.079	ug/l	100
12) 1,1-Dichloroethene	4.07	96	195787	45.311	ug/l	94
13) Acrolein	3.92	56	65289	204.924	ug/l	97
14) Allyl chloride	4.71	41	297604	46.905	ug/l	98
15) Acrylonitrile	5.41	53	211447	228.478	ug/l	98
16) Acetone	4.15	43	184668	201.563	ug/l	97
17) Carbon Disulfide	4.41	76	609980	46.175	ug/l	99
18) Methyl Acetate	4.71	43	95421	46.419	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	433872	46.238	ug/l	100
20) Methylene Chloride	4.96	84	233070	46.759	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	235083	46.987	ug/l	97
22) Diisopropyl ether	6.36	45	610990	46.835	ug/l	98
23) Vinyl Acetate	6.30	43	1542600	218.137	ug/l	100
24) 1,1-Dichloroethane	6.26	63	396301	45.409	ug/l	98
25) 2-Butanone	7.21	43	224356	203.775	ug/l	94
26) 2,2-Dichloropropane	7.21	77	372074	46.514	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252342	46.420	ug/l	99
28) Bromochloromethane	7.54	49	172970	47.974	ug/l #	98
29) Tetrahydrofuran	7.56	42	158947	225.307	ug/l	96
30) Chloroform	7.71	83	429336	45.637	ug/l	95
31) Cyclohexane	7.98	56	353766	45.050	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	405432	47.641	ug/l	99
36) 1,1-Dichloropropene	8.11	75	327105	49.482	ug/l	99
37) Ethyl Acetate	7.28	43	120697	50.505	ug/l	99
38) Carbon Tetrachloride	8.10	117	357743	49.499	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	394851	52.023	ug/l	94
40) Benzene	8.34	78	905702	49.160	ug/l	98
41) Methacrylonitrile	7.52	41	76045m	51.744	ug/l	
42) 1,2-Dichloroethane	8.42	62	260789	47.882	ug/l	99
43) Isopropyl Acetate	8.44	43	218020	47.320	ug/l	99
44) Trichloroethene	9.11	130	256605	48.865	ug/l	99
45) 1,2-Dichloropropane	9.38	63	226166	48.791	ug/l	97
46) Dibromomethane	9.47	93	123560	49.060	ug/l	97
47) Bromodichloromethane	9.66	83	324655	47.986	ug/l	100
48) Methyl methacrylate	9.45	41	116668	51.358	ug/l	90
49) 1,4-Dioxane	9.46	88	28916	1013.862	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	561866	240.671	ug/l	100
52) Toluene	10.40	92	597761	50.371	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	282290	49.022	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	334713	47.670	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	163276	47.159	ug/l	97
56) Ethyl methacrylate	10.66	69	188485	50.818	ug/l	97
57) 1,3-Dichloropropane	10.94	76	275734	48.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	402837	229.379	ug/l	99
59) 2-Hexanone	10.98	43	383024	243.285	ug/l	98
60) Dibromochloromethane	11.14	129	220457	48.788	ug/l	99
61) 1,2-Dibromoethane	11.24	107	159746	49.605	ug/l	100
64) Tetrachloroethene	10.87	164	228899	52.634	ug/l	97
65) Chlorobenzene	11.67	112	611460	48.587	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	232091	48.727	ug/l	99
67) Ethyl Benzene	11.74	91	1123578	50.834	ug/l	99
68) m/p-Xylenes	11.85	106	871011	104.083	ug/l	100
69) o-Xylene	12.18	106	385932	51.002	ug/l	100
70) Styrene	12.19	104	684068	52.056	ug/l	99
71) Bromoform	12.36	173	117928	48.900	ug/l	# 99
73) Isopropylbenzene	12.48	105	1079203	51.390	ug/l	99
74) N-amyl acetate	12.28	43	199902	48.744	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	168104	46.390	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	106950m	44.394	ug/l	
77) Bromobenzene	12.76	156	241118	49.093	ug/l	99
78) n-propylbenzene	12.82	91	1297647	51.363	ug/l	99
79) 2-Chlorotoluene	12.91	91	705588	49.010	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	915569	51.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40790	42.361	ug/l	98
82) 4-Chlorotoluene	13.00	91	768745	50.654	ug/l	98
83) tert-Butylbenzene	13.23	119	762229	52.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	905320	51.236	ug/l	100
85) sec-Butylbenzene	13.40	105	1092819	51.902	ug/l	99
86) p-Isopropyltoluene	13.52	119	1004279	52.914	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	480054	49.473	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	468612	48.624	ug/l	99
89) n-Butylbenzene	13.84	91	941803	52.207	ug/l	99
90) Hexachloroethane	14.11	117	182506	47.365	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	406153	48.924	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26937	46.210	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	262944	50.315	ug/l	97
94) Hexachlorobutadiene	15.27	225	158216	50.522	ug/l	100
95) Naphthalene	15.41	128	447583	50.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	227426	50.421	ug/l	99

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

