

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066925.D
 Acq On : 28 Sep 2020 20:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:46:46 AM

Quant Time: Sep 29 02:32:43 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	7.98	168	398144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	183952	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.91	113	193103	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	10.34	98	674302	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.63	95	236647	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130184	46.483	ug/l	94
3) Chloromethane	2.20	50	149117	40.763	ug/l	98
4) Vinyl Chloride	2.35	62	144272	39.920	ug/l	97
5) Bromomethane	2.77	94	102983	40.542	ug/l	99
6) Chloroethane	2.92	64	96527	43.010	ug/l	96
7) Trichlorofluoromethane	3.27	101	340901	45.930	ug/l	97
8) Diethyl Ether	3.71	74	99792	52.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	198164	46.044	ug/l	99
10) Methyl Iodide	4.30	142	217337	57.226	ug/l	96
11) Tert butyl alcohol	5.21	59	59836	255.158	ug/l	100
12) 1,1-Dichloroethene	4.07	96	182627	46.843	ug/l	95
13) Acrolein	3.92	56	72164	251.031	ug/l	94
14) Allyl chloride	4.71	41	266915	46.623	ug/l	97
15) Acrylonitrile	5.42	53	223234	267.335	ug/l	97
16) Acetone	4.16	43	167742	202.915	ug/l	97
17) Carbon Disulfide	4.41	76	539618	45.272	ug/l	98
18) Methyl Acetate	4.71	43	99815	54.438	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	469324	55.432	ug/l	95
20) Methylene Chloride	4.96	84	244485	55.432	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	227461	50.387	ug/l	97
22) Diisopropyl ether	6.36	45	609797	51.805	ug/l	96
23) Vinyl Acetate	6.30	43	1557686	243.805	ug/l	96
24) 1,1-Dichloroethane	6.27	63	387095	49.157	ug/l	97
25) 2-Butanone	7.21	43	254870	256.557	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311307	43.132	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	254516	51.890	ug/l	96
28) Bromochloromethane	7.54	49	161747	49.719	ug/l	95
29) Tetrahydrofuran	7.56	42	170329	267.587	ug/l	96
30) Chloroform	7.71	83	429979	50.655	ug/l	95
31) Cyclohexane	7.98	56	304862	43.026	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	374259	48.740	ug/l	98
36) 1,1-Dichloropropene	8.11	75	306566	48.161	ug/l	99
37) Ethyl Acetate	7.29	43	117862	51.219	ug/l #	94
38) Carbon Tetrachloride	8.09	117	339255	48.749	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	355694	48.669	ug/l	100
40) Benzene	8.35	78	893622	50.372	ug/l	98
41) Methacrylonitrile	7.52	41	65340	46.173	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	263330	50.211	ug/l	98
43) Isopropyl Acetate	8.45	43	231498	52.180	ug/l	99
44) Trichloroethene	9.11	130	257927	51.008	ug/l	99
45) 1,2-Dichloropropane	9.38	63	226199	50.678	ug/l	94
46) Dibromomethane	9.47	93	128002	52.782	ug/l	97
47) Bromodichloromethane	9.66	83	332329	51.013	ug/l #	96
48) Methyl methacrylate	9.46	41	111503	50.976	ug/l	97
49) 1,4-Dioxane	9.46	88	29850	1095.271	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	610603	271.622	ug/l	97
52) Toluene	10.40	92	590829	51.704	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	279032	50.323	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	334215	49.433	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	176926	53.070	ug/l	96
56) Ethyl methacrylate	10.66	69	206782	57.898	ug/l	97
57) 1,3-Dichloropropane	10.94	76	293583	53.331	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	415279	245.572	ug/l	98
59) 2-Hexanone	10.98	43	414376	273.338	ug/l	95
60) Dibromochloromethane	11.14	129	239490	55.041	ug/l	99
61) 1,2-Dibromoethane	11.24	107	173297	55.886	ug/l	99
64) Tetrachloroethene	10.87	164	228596	52.641	ug/l	96
65) Chlorobenzene	11.67	112	642043	51.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	251263	52.829	ug/l	98
67) Ethyl Benzene	11.74	91	1118433	50.675	ug/l	96
68) m/p-Xylenes	11.85	106	875000	104.712	ug/l	98
69) o-Xylene	12.18	106	409537	54.200	ug/l	95
70) Styrene	12.20	104	708094	53.963	ug/l	99
71) Bromoform	12.36	173	134062	55.671	ug/l #	98
73) Isopropylbenzene	12.48	105	1079855	51.175	ug/l	99
74) N-amyl acetate	12.29	43	214706	52.104	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	186676	51.269	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	116972m	48.322	ug/l	
77) Bromobenzene	12.76	156	261191	52.925	ug/l	95
78) n-propylbenzene	12.82	91	1252956	49.357	ug/l	97
79) 2-Chlorotoluene	12.91	91	720220	49.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	908336	50.732	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	40919	42.292	ug/l	98
82) 4-Chlorotoluene	13.01	91	774381	50.781	ug/l	99
83) tert-Butylbenzene	13.23	119	759013	51.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	918810	51.751	ug/l	100
85) sec-Butylbenzene	13.40	105	1063827	50.283	ug/l	99
86) p-Isopropyltoluene	13.52	119	982770	51.533	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	489206	50.175	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	486406	50.229	ug/l	99
89) n-Butylbenzene	13.84	91	888909	49.039	ug/l	99
90) Hexachloroethane	14.11	117	183038	47.276	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	426650	51.147	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29092	49.668	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	281331	53.576	ug/l	98
94) Hexachlorobutadiene	15.27	225	159668	50.741	ug/l	99
95) Naphthalene	15.40	128	528561	59.288	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	250498	55.270	ug/l	98

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

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