

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066778.D
 Acq On : 18 Sep 2020 20:43
 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
 9/21/2020 11:48:57 AM

Quant Time: Sep 19 06:56:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	659683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218248	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.91	113	216175	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.34	98	792797	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.63	95	263561	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	111907	37.559	ug/l	95
3) Chloromethane	2.21	50	163776	38.575	ug/l	98
4) Vinyl Chloride	2.35	62	171570	38.612	ug/l	97
5) Bromomethane	2.77	94	108499	34.421	ug/l	99
6) Chloroethane	2.92	64	110515	39.924	ug/l	92
7) Trichlorofluoromethane	3.27	101	308381	40.180	ug/l	99
8) Diethyl Ether	3.71	74	88448	46.022	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	171757	40.721	ug/l	99
10) Methyl Iodide	4.30	142	247151	61.758	ug/l	98
11) Tert butyl alcohol	5.21	59	53000	175.703	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	172040	44.068	ug/l	92
13) Acrolein	3.92	56	70609	240.503	ug/l	91
14) Allyl chloride	4.71	41	280558	44.749	ug/l	96
15) Acrylonitrile	5.42	53	207733	246.744	ug/l	97
16) Acetone	4.16	43	148887	175.638	ug/l	95
17) Carbon Disulfide	4.41	76	548428	44.706	ug/l	98
18) Methyl Acetate	4.72	43	96569	53.634	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	420593	48.368	ug/l	93
20) Methylene Chloride	4.96	84	218887	47.697	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	217173	47.748	ug/l	96
22) Diisopropyl ether	6.36	45	617357	48.461	ug/l	97
23) Vinyl Acetate	6.30	43	1514319	213.700	ug/l	98
24) 1,1-Dichloroethane	6.26	63	379676	46.967	ug/l	98
25) 2-Butanone	7.21	43	238206	215.801	ug/l	93
26) 2,2-Dichloropropane	7.21	77	295076	39.473	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	246150	49.469	ug/l	97
28) Bromochloromethane	7.54	49	148848	49.296	ug/l	96
29) Tetrahydrofuran	7.56	42	164057	242.920	ug/l	98
30) Chloroform	7.71	83	413710	48.085	ug/l	100
31) Cyclohexane	7.98	56	298317	40.570	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	351103	44.596	ug/l	98
36) 1,1-Dichloropropene	8.11	75	294326	43.395	ug/l	98
37) Ethyl Acetate	7.29	43	116423	45.342	ug/l	99
38) Carbon Tetrachloride	8.10	117	308814	42.875	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	321618	41.456	ug/l	98
40) Benzene	8.35	78	872787	47.565	ug/l	99
41) Methacrylonitrile	7.53	41	71562m	52.644	ug/l	
42) 1,2-Dichloroethane	8.42	62	261601	46.018	ug/l	99
43) Isopropyl Acetate	8.45	43	219816	45.483	ug/l	98
44) Trichloroethene	9.11	130	230633	47.009	ug/l	99
45) 1,2-Dichloropropane	9.38	63	219134	48.307	ug/l	93
46) Dibromomethane	9.47	93	118852	47.680	ug/l	97
47) Bromodichloromethane	9.66	83	321882	47.388	ug/l	99
48) Methyl methacrylate	9.45	41	112331	45.695	ug/l	91
49) 1,4-Dioxane	9.46	88	25918	970.646	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	578405	232.464	ug/l	99
52) Toluene	10.40	92	567319	48.262	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	235558	38.821	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	279053	38.719	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	155473	47.306	ug/l	99
56) Ethyl methacrylate	10.66	69	181118	48.562	ug/l	99
57) 1,3-Dichloropropane	10.94	76	272286	47.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	465085	283.932	ug/l	96
59) 2-Hexanone	10.98	43	384876	230.213	ug/l	99
60) Dibromochloromethane	11.14	129	212570	49.638	ug/l	99
61) 1,2-Dibromoethane	11.24	107	149527	47.429	ug/l	98
64) Tetrachloroethene	10.87	164	201350	47.879	ug/l	97
65) Chlorobenzene	11.67	112	590150	46.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	216702	46.047	ug/l	100
67) Ethyl Benzene	11.74	91	1054093	45.626	ug/l	100
68) m/p-Xylenes	11.85	106	807452	92.472	ug/l	98
69) o-Xylene	12.18	106	370337	47.994	ug/l	95
70) Styrene	12.19	104	651889	48.000	ug/l	99
71) Bromoform	12.36	173	110664	46.856	ug/l #	99
73) Isopropylbenzene	12.48	105	991283	46.527	ug/l	100
74) N-amyl acetate	12.29	43	198516	44.171	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	165641	45.753	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	124681m	51.038	ug/l	
77) Bromobenzene	12.76	156	228811	46.596	ug/l	97
78) n-propylbenzene	12.82	91	1175761	45.271	ug/l	98
79) 2-Chlorotoluene	12.91	91	668365	45.511	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	830766	46.117	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	26606	23.505	ug/l	97
82) 4-Chlorotoluene	13.00	91	711762	45.837	ug/l	98
83) tert-Butylbenzene	13.23	119	692232	46.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	852668	47.362	ug/l	99
85) sec-Butylbenzene	13.40	105	958538	45.031	ug/l	100
86) p-Isopropyltoluene	13.52	119	890875	46.036	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	442274	46.945	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	430638	45.903	ug/l	99
89) n-Butylbenzene	13.84	91	813234	44.195	ug/l	98
90) Hexachloroethane	14.11	117	172870	43.485	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	383262	47.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24640	42.103	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	225354	46.156	ug/l	99
94) Hexachlorobutadiene	15.27	225	129621	44.065	ug/l	99
95) Naphthalene	15.41	128	413967	48.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	200105	46.922	ug/l	99

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

