

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066292.D
 Acq On : 18 Aug 2020 21:42
 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
 8/19/2020 5:23:30 PM

Quant Time: Aug 19 08:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	215721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	323641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115726	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	7.91	113	109857	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.33	98	389474	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.63	95	142145	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72595	38.196	ug/l	96
3) Chloromethane	2.20	50	60920	41.206	ug/l	97
4) Vinyl Chloride	2.34	62	57822	44.176	ug/l	96
5) Bromomethane	2.76	94	44435	51.169	ug/l	89
6) Chloroethane	2.92	64	39703	49.415	ug/l	98
7) Trichlorofluoromethane	3.27	101	162993	47.765	ug/l	95
8) Diethyl Ether	3.71	74	50257	52.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94323	46.575	ug/l	100
10) Methyl Iodide	4.30	142	97787	52.630	ug/l	97
11) Tert butyl alcohol	5.23	59	39423	278.682	ug/l	98
12) 1,1-Dichloroethene	4.06	96	87454	45.777	ug/l	97
13) Acrolein	3.92	56	37587	245.361	ug/l	96
14) Allyl chloride	4.71	41	138427	47.828	ug/l	94
15) Acrylonitrile	5.41	53	120305	296.506	ug/l	98
16) Acetone	4.15	43	91412	250.327	ug/l	98
17) Carbon Disulfide	4.40	76	248648	40.934	ug/l	100
18) Methyl Acetate	4.72	43	54741	59.017	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	258306	58.989	ug/l	94
20) Methylene Chloride	4.96	84	118429	57.137	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	107993	49.207	ug/l	98
22) Diisopropyl ether	6.36	45	299563	52.339	ug/l	94
23) Vinyl Acetate	6.30	43	921051	274.691	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185705	52.429	ug/l	99
25) 2-Butanone	7.20	43	140319	261.254	ug/l	98
26) 2,2-Dichloropropane	7.20	77	146458	46.134	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123971	53.855	ug/l	98
28) Bromochloromethane	7.54	49	69739	56.058	ug/l	95
29) Tetrahydrofuran	7.55	42	93251	280.229	ug/l	94
30) Chloroform	7.70	83	211377	56.833	ug/l	96
31) Cyclohexane	7.98	56	132474	39.290	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	186468	53.472	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141589	46.556	ug/l	99
37) Ethyl Acetate	7.29	43	65466	54.330	ug/l	98
38) Carbon Tetrachloride	8.09	117	170289	50.211	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	155927	42.413	ug/l	98
40) Benzene	8.34	78	424237	50.285	ug/l	97
41) Methacrylonitrile	7.53	41	38332m	54.104	ug/l	
42) 1,2-Dichloroethane	8.41	62	145353	58.647	ug/l	98
43) Isopropyl Acetate	8.44	43	131889	55.552	ug/l	97
44) Trichloroethene	9.11	130	127634	50.205	ug/l	96
45) 1,2-Dichloropropane	9.38	63	105673	51.214	ug/l	97
46) Dibromomethane	9.47	93	65604	57.721	ug/l	99
47) Bromodichloromethane	9.66	83	169954	56.577	ug/l	97
48) Methyl methacrylate	9.45	41	63678	52.527	ug/l #	85
49) 1,4-Dioxane	9.45	88	16942	1160.253	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	347158	284.669	ug/l	99
52) Toluene	10.40	92	289347	52.121	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	156447	54.879	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	178789	53.529	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	90756	55.454	ug/l	96
56) Ethyl methacrylate	10.66	69	115743	58.871	ug/l	97
57) 1,3-Dichloropropane	10.94	76	150580	55.422	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	259217	293.117	ug/l	99
59) 2-Hexanone	10.98	43	240590	281.104	ug/l	99
60) Dibromochloromethane	11.14	129	130290	57.664	ug/l	98
61) 1,2-Dibromoethane	11.24	107	88533	56.250	ug/l	99
64) Tetrachloroethene	10.87	164	118882	49.828	ug/l	97
65) Chlorobenzene	11.67	112	325976	51.682	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	132810	53.815	ug/l	99
67) Ethyl Benzene	11.74	91	558935	51.137	ug/l	96
68) m/p-Xylenes	11.85	106	423309	99.960	ug/l	95
69) o-Xylene	12.18	106	198548	51.541	ug/l	98
70) Styrene	12.19	104	356917	52.867	ug/l	98
71) Bromoform	12.36	173	83568	57.153	ug/l #	99
73) Isopropylbenzene	12.48	105	554097	51.348	ug/l	99
74) N-amyl acetate	12.29	43	124573	52.424	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	100582	54.663	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	63135m	46.832	ug/l	
77) Bromobenzene	12.76	156	147611	53.139	ug/l	99
78) n-propylbenzene	12.82	91	627367	50.014	ug/l	100
79) 2-Chlorotoluene	12.91	91	368885	51.418	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	473371	52.453	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30815	50.529	ug/l	95
82) 4-Chlorotoluene	13.01	91	395430	52.213	ug/l	98
83) tert-Butylbenzene	13.23	119	405002	51.030	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	472805	52.351	ug/l	99
85) sec-Butylbenzene	13.40	105	532306	49.677	ug/l	100
86) p-Isopropyltoluene	13.52	119	511636	50.909	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	268383	51.407	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	271386	52.123	ug/l	99
89) n-Butylbenzene	13.84	91	441138	48.991	ug/l	100
90) Hexachloroethane	14.11	117	102862	51.318	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	243867	52.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17568	55.552	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	178358	52.419	ug/l	99
94) Hexachlorobutadiene	15.27	225	101452	50.634	ug/l	98
95) Naphthalene	15.41	128	327086	58.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	163601	54.467	ug/l	99

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

