

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065871.D
 Acq On : 23 Jun 2020 20:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:40 AM

Quant Time: Jun 24 06:25:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	157874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	258695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	255542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88905	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	7.92	113	86733	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.34	98	332672	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.64	95	114124	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42280	38.946	ug/l	99
3) Chloromethane	2.21	50	100383	57.640	ug/l	99
4) Vinyl Chloride	2.35	62	118056	50.685	ug/l	99
5) Bromomethane	2.77	94	90698	55.680	ug/l	90
6) Chloroethane	2.92	64	89757	56.992	ug/l	97
7) Trichlorofluoromethane	3.27	101	121641	46.094	ug/l	94
8) Diethyl Ether	3.70	74	36576	52.717	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	73188	46.510	ug/l	97
10) Methyl Iodide	4.30	142	69335	45.248	ug/l	99
11) Tert butyl alcohol	5.22	59	25960	304.664	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	66485	46.357	ug/l	99
13) Acrolein	3.92	56	19181	218.904	ug/l	96
14) Allyl chloride	4.71	41	118432	49.962	ug/l	95
15) Acrylonitrile	5.42	53	87675	278.225	ug/l	97
16) Acetone	4.16	43	75718	257.310	ug/l	93
17) Carbon Disulfide	4.41	76	212389	44.122	ug/l	99
18) Methyl Acetate	4.72	43	38955	59.371	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	177386	54.604	ug/l	98
20) Methylene Chloride	4.97	84	98265	64.137	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	82029	48.838	ug/l	91
22) Diisopropyl ether	6.36	45	280057	58.472	ug/l	96
23) Vinyl Acetate	6.30	43	807076	298.408	ug/l	99
24) 1,1-Dichloroethane	6.26	63	156950	53.782	ug/l	98
25) 2-Butanone	7.21	43	113678	279.719	ug/l	92
26) 2,2-Dichloropropane	7.21	77	126788	48.999	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	97791	54.125	ug/l	99
28) Bromochloromethane	7.54	49	67085	59.519	ug/l	97
29) Tetrahydrofuran	7.56	42	77372	301.230	ug/l	95
30) Chloroform	7.71	83	168283	55.634	ug/l	99
31) Cyclohexane	7.98	56	128918	46.081	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	145501	52.313	ug/l	97
36) 1,1-Dichloropropene	8.11	75	120684	48.700	ug/l	99
37) Ethyl Acetate	7.29	43	54880	56.224	ug/l	100
38) Carbon Tetrachloride	8.10	117	130203	49.924	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138491	47.202	ug/l	99
40) Benzene	8.35	78	355377	52.457	ug/l	96
41) Methacrylonitrile	7.53	41	27169	46.745	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	111834	54.710	ug/l	100
43) Isopropyl Acetate	8.45	43	109090	56.203	ug/l	99
44) Trichloroethene	9.11	130	93905	49.808	ug/l	98
45) 1,2-Dichloropropane	9.39	63	89481	52.566	ug/l	100
46) Dibromomethane	9.48	93	51169	55.425	ug/l	94
47) Bromodichloromethane	9.66	83	137201	55.459	ug/l	98
48) Methyl methacrylate	9.46	41	49839	53.047	ug/l	90
49) 1,4-Dioxane	9.47	88	11439	1164.093	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	278727	293.056	ug/l	97
52) Toluene	10.40	92	235206	53.432	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	124596	55.617	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	144901	54.766	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	69466	56.313	ug/l	96
56) Ethyl methacrylate	10.67	69	83347	57.444	ug/l	95
57) 1,3-Dichloropropane	10.95	76	119529	55.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	208051	308.425	ug/l	98
59) 2-Hexanone	10.98	43	191926	299.311	ug/l	100
60) Dibromochloromethane	11.14	129	92488	55.501	ug/l	98
61) 1,2-Dibromoethane	11.25	107	66101	54.526	ug/l	96
64) Tetrachloroethene	10.88	164	80472	46.570	ug/l	93
65) Chlorobenzene	11.67	112	253043	50.723	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	96973	52.148	ug/l	99
67) Ethyl Benzene	11.75	91	451100	50.617	ug/l	97
68) m/p-Xylenes	11.86	106	355123	103.450	ug/l	99
69) o-Xylene	12.18	106	160020	51.700	ug/l	98
70) Styrene	12.20	104	287445	53.647	ug/l	99
71) Bromoform	12.36	173	54642	53.360	ug/l #	98
73) Isopropylbenzene	12.48	105	445976	49.681	ug/l	98
74) N-amyl acetate	12.29	43	106263	53.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	78601	51.846	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56636m	54.391	ug/l	
77) Bromobenzene	12.77	156	105135	49.501	ug/l	96
78) n-propylbenzene	12.83	91	532335	49.265	ug/l	99
79) 2-Chlorotoluene	12.91	91	296458	50.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379216	50.764	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25175	52.238	ug/l	99
82) 4-Chlorotoluene	13.01	91	315369	49.566	ug/l	99
83) tert-Butylbenzene	13.23	119	326710	50.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	383917	51.346	ug/l	99
85) sec-Butylbenzene	13.41	105	445791	49.420	ug/l	99
86) p-Isopropyltoluene	13.52	119	413350	49.995	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	212145	50.658	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	205979	49.445	ug/l	99
89) n-Butylbenzene	13.85	91	392318	49.753	ug/l	98
90) Hexachloroethane	14.12	117	82633	49.932	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	184737	51.258	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12891	51.093	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118754	48.461	ug/l	99
94) Hexachlorobutadiene	15.27	225	65712	44.359	ug/l	98
95) Naphthalene	15.41	128	212651	51.230	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	104330	49.432	ug/l	98

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

