

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065666.D
 Acq On : 22 Apr 2020 15:05
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:42 PM

Quant Time: Apr 23 03:48:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	303558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99232	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.91	113	98256	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.34	98	375329	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.64	95	120144	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83906	44.356	ug/l	100
3) Chloromethane	2.21	50	87145	42.084	ug/l	100
4) Vinyl Chloride	2.35	62	96216	42.630	ug/l	100
5) Bromomethane	2.77	94	55105	44.279	ug/l	100
6) Chloroethane	2.92	64	58362	43.340	ug/l	100
7) Trichlorofluoromethane	3.27	101	138507	42.876	ug/l	100
8) Diethyl Ether	3.70	74	29447	44.806	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64804	43.851	ug/l	100
10) Methyl Iodide	4.29	142	68223	34.201	ug/l	100
11) Tert butyl alcohol	5.25	59	25973	237.720	ug/l	100
12) 1,1-Dichloroethene	4.06	96	58563	44.070	ug/l	100
13) Acrolein	3.93	56	22392	261.249	ug/l	100
14) Allyl chloride	4.71	41	113258	45.871	ug/l	100
15) Acrylonitrile	5.43	53	97878	233.210	ug/l	100
16) Acetone	4.17	43	66748	237.131	ug/l	100
17) Carbon Disulfide	4.40	76	205222	39.694	ug/l	100
18) Methyl Acetate	4.73	43	42915	46.485	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	180377	46.342	ug/l	100
20) Methylene Chloride	4.96	84	95697	43.183	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	98344	43.813	ug/l	100
22) Diisopropyl ether	6.37	45	271546	45.165	ug/l	100
23) Vinyl Acetate	6.31	43	772650	241.148	ug/l	100
24) 1,1-Dichloroethane	6.26	63	163045	42.545	ug/l	100
25) 2-Butanone	7.22	43	119814	233.436	ug/l	100
26) 2,2-Dichloropropane	7.21	77	138307	41.445	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	96952	41.497	ug/l	100
28) Bromochloromethane	7.55	49	78716	50.313	ug/l	100
29) Tetrahydrofuran	7.57	42	79824	245.289	ug/l	100
30) Chloroform	7.71	83	161739	41.431	ug/l	100
31) Cyclohexane	7.98	56	152927	41.885	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	148120	41.997	ug/l	100
36) 1,1-Dichloropropene	8.11	75	134644	46.879	ug/l	100
37) Ethyl Acetate	7.30	43	56031	49.602	ug/l	100
38) Carbon Tetrachloride	8.10	117	138954	45.352	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156161	47.092	ug/l	100
40) Benzene	8.36	78	377458	45.911	ug/l	100
41) Methacrylonitrile	7.53	41	32248	54.142	ug/l	100
42) 1,2-Dichloroethane	8.43	62	105946	47.211	ug/l	100
43) Isopropyl Acetate	8.46	43	101127	49.493	ug/l	100
44) Trichloroethene	9.11	130	104025	45.162	ug/l	100
45) 1,2-Dichloropropane	9.39	63	92934	46.241	ug/l	100
46) Dibromomethane	9.48	93	49405	47.514	ug/l	100
47) Bromodichloromethane	9.67	83	126559	45.833	ug/l	100
48) Methyl methacrylate	9.46	41	49321	50.507	ug/l	100
49) 1,4-Dioxane	9.47	88	11999	1046.059	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	271029	261.868	ug/l	100
52) Toluene	10.41	92	243550	47.998	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	115500	46.087	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	144539	47.156	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	66425	45.652	ug/l	100
56) Ethyl methacrylate	10.67	69	71297	45.662	ug/l	100
57) 1,3-Dichloropropane	10.95	76	112350	45.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	247489	299.818	ug/l	100
59) 2-Hexanone	10.99	43	185320	263.904	ug/l	100
60) Dibromochloromethane	11.14	129	91359	47.263	ug/l	100
61) 1,2-Dibromoethane	11.25	107	66365	47.147	ug/l	100
64) Tetrachloroethene	10.88	164	86971	41.417	ug/l	100
65) Chlorobenzene	11.67	112	252909	43.399	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	95939	43.078	ug/l	100
67) Ethyl Benzene	11.75	91	445134	44.701	ug/l	100
68) m/p-Xylenes	11.86	106	352297	91.459	ug/l	100
69) o-Xylene	12.18	106	150173	44.753	ug/l	100
70) Styrene	12.20	104	276092	46.432	ug/l	100
71) Bromoform	12.37	173	56369	45.192	ug/l #	100
73) Isopropylbenzene	12.48	105	411787	44.965	ug/l	100
74) N-amyl acetate	12.30	43	92953	48.177	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	73180	44.143	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	49579m	41.845	ug/l	
77) Bromobenzene	12.77	156	104964	43.304	ug/l	100
78) n-propylbenzene	12.83	91	497759	44.918	ug/l	100
79) 2-Chlorotoluene	12.91	91	280448	44.486	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	356899	46.137	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25715	46.349	ug/l	100
82) 4-Chlorotoluene	13.01	91	302328	44.543	ug/l	100
83) tert-Butylbenzene	13.23	119	293534	45.300	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	353057	45.820	ug/l	100
85) sec-Butylbenzene	13.41	105	418253	45.072	ug/l	100
86) p-Isopropyltoluene	13.53	119	396668	45.501	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206699	43.349	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	203577	42.958	ug/l	100
89) n-Butylbenzene	13.86	91	355859	45.043	ug/l	100
90) Hexachloroethane	14.12	117	78479	42.802	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	178234	43.713	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11559	45.968	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123199	44.069	ug/l	100
94) Hexachlorobutadiene	15.28	225	82736	42.953	ug/l	100
95) Naphthalene	15.41	128	197113	48.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	111274	45.271	ug/l	100

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

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