

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064971.D
 Acq On : 27 Jan 2020 18:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:11 PM

Quant Time: Jan 27 22:56:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	430202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	237511	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.92	113	227383	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
50) Toluene-d8	10.34	98	890407	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
62) 4-Bromofluorobenzene	12.64	95	279041	56.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	163252	50.372	ug/l	96
3) Chloromethane	2.21	50	244373	51.447	ug/l	95
4) Vinyl Chloride	2.35	62	271115	49.695	ug/l	96
5) Bromomethane	2.77	94	177353	48.327	ug/l	96
6) Chloroethane	2.93	64	184597	51.324	ug/l	99
7) Trichlorofluoromethane	3.27	101	411287	48.814	ug/l	98
8) Diethyl Ether	3.71	74	101751	53.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197000	50.256	ug/l	99
10) Methyl Iodide	4.29	142	235942	56.704	ug/l	100
11) Tert butyl alcohol	5.26	59	58258	255.476	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	186643	49.841	ug/l	99
13) Acrolein	3.93	56	86224	301.621	ug/l	96
14) Allyl chloride	4.71	41	327353	54.809	ug/l	98
15) Acrylonitrile	5.43	53	230156	279.426	ug/l	99
16) Acetone	4.17	43	192015	191.593	ug/l	99
17) Carbon Disulfide	4.40	76	629570	51.082	ug/l	98
18) Methyl Acetate	4.73	43	107793	55.775	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	471826	56.389	ug/l	99
20) Methylene Chloride	4.96	84	221252	55.891	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	230315	53.382	ug/l	95
22) Diisopropyl ether	6.37	45	674923	56.702	ug/l	97
23) Vinyl Acetate	6.31	43	2000615	287.072	ug/l	99
24) 1,1-Dichloroethane	6.27	63	390109	53.380	ug/l	97
25) 2-Butanone	7.23	43	290732	260.781	ug/l	97
26) 2,2-Dichloropropane	7.21	77	336294	50.731	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248812	54.030	ug/l	100
28) Bromochloromethane	7.55	49	170442	58.316	ug/l	99
29) Tetrahydrofuran	7.57	42	190295	276.646	ug/l	99
30) Chloroform	7.71	83	402658	53.299	ug/l	98
31) Cyclohexane	7.99	56	345145	48.008	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	364580	51.875	ug/l	100
36) 1,1-Dichloropropene	8.11	75	305276	47.661	ug/l	98
37) Ethyl Acetate	7.30	43	136733	51.681	ug/l	97
38) Carbon Tetrachloride	8.10	117	323783	47.826	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355145	47.426	ug/l	98
40) Benzene	8.36	78	890010	50.452	ug/l	97
41) Methacrylonitrile	7.54	41	88794	62.302	ug/l	95
42) 1,2-Dichloroethane	8.43	62	272171	51.794	ug/l	97
43) Isopropyl Acetate	8.46	43	267531	53.234	ug/l	98
44) Trichloroethene	9.11	130	246947	50.019	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220829	51.638	ug/l	100
46) Dibromomethane	9.48	93	121975	52.242	ug/l	96
47) Bromodichloromethane	9.67	83	313559	51.611	ug/l	100
48) Methyl methacrylate	9.46	41	128070	55.377	ug/l	98
49) 1,4-Dioxane	9.47	88	29374	1084.770	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	681294	270.933	ug/l	98
52) Toluene	10.41	92	576488	50.687	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	304370	52.594	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	356898	52.674	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	161113	51.229	ug/l	93
56) Ethyl methacrylate	10.67	69	209337	55.662	ug/l	99
57) 1,3-Dichloropropane	10.95	76	284783	52.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	335314	268.372	ug/l	99
59) 2-Hexanone	10.99	43	458226	264.181	ug/l	99
60) Dibromochloromethane	11.15	129	219871	52.307	ug/l	99
61) 1,2-Dibromoethane	11.26	107	158947	52.488	ug/l	98
64) Tetrachloroethene	10.88	164	214774	49.696	ug/l	98
65) Chlorobenzene	11.68	112	608036	50.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237192	51.939	ug/l	98
67) Ethyl Benzene	11.75	91	1098900	50.975	ug/l	99
68) m/p-Xylenes	11.86	106	853429	102.821	ug/l	99
69) o-Xylene	12.19	106	388655	52.760	ug/l	99
70) Styrene	12.20	104	696543	53.080	ug/l	99
71) Bromoform	12.37	173	129990	51.206	ug/l	99
73) Isopropylbenzene	12.49	105	1031055	50.553	ug/l	100
74) N-amyl acetate	12.30	43	243158	53.279	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	173584	50.639	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	100920m	40.747	ug/l	
77) Bromobenzene	12.77	156	250904	50.279	ug/l	98
78) n-propylbenzene	12.83	91	1208742	49.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	670626	50.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	852155	50.984	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59631	51.408	ug/l	99
82) 4-Chlorotoluene	13.01	91	713131	50.537	ug/l	99
83) tert-Butylbenzene	13.23	119	728260	51.344	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	858037	50.677	ug/l	99
85) sec-Butylbenzene	13.41	105	984261	49.009	ug/l	99
86) p-Isopropyltoluene	13.53	119	944611	50.264	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	481258	50.263	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	476034	50.092	ug/l	99
89) n-Butylbenzene	13.86	91	856379	49.933	ug/l	100
90) Hexachloroethane	14.13	117	178482	49.249	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	415817	51.154	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29039	52.936	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	291695	51.870	ug/l	99
94) Hexachlorobutadiene	15.28	225	165626	46.563	ug/l	99
95) Naphthalene	15.41	128	492927	54.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	251322	51.543	ug/l	100

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

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