

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065610.D
 Acq On : 09 Apr 2020 12:31
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:50 PM

Quant Time: Apr 10 01:28:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	498958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	650393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	439224	93.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.16%	
35) Dibromofluoromethane	7.92	113	464734	96.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.94%	
50) Toluene-d8	10.34	98	1752240	99.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.22%	
62) 4-Bromofluorobenzene	12.64	95	579600	102.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	423751	94.182	ug/l	99
3) Chloromethane	2.21	50	497687	88.951	ug/l	100
4) Vinyl Chloride	2.35	62	478472	91.466	ug/l	97
5) Bromomethane	2.76	94	325904	88.337	ug/l	98
6) Chloroethane	2.92	64	294160	91.310	ug/l	100
7) Trichlorofluoromethane	3.27	101	714972	90.111	ug/l	95
8) Diethyl Ether	3.70	74	150690	91.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	467815	90.194	ug/l	98
10) Methyl Iodide	4.30	142	595723	116.717	ug/l	99
11) Tert butyl alcohol	5.26	59	131219	545.934	ug/l	99
12) 1,1-Dichloroethene	4.06	96	448723	93.801	ug/l	97
13) Acrolein	3.93	56	159612	482.686	ug/l	100
14) Allyl chloride	4.71	41	721465	101.670	ug/l	99
15) Acrylonitrile	5.43	53	507068	524.525	ug/l	100
16) Acetone	4.17	43	401987	471.748	ug/l	95
17) Carbon Disulfide	4.40	76	1473566	92.577	ug/l	99
18) Methyl Acetate	4.72	43	250921	100.322	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1024232	110.751	ug/l	100
20) Methylene Chloride	4.96	84	490585	87.093	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	531834	97.955	ug/l	93
22) Diisopropyl ether	6.37	45	1442908	105.785	ug/l	99
23) Vinyl Acetate	6.31	43	4174956	595.666	ug/l	99
24) 1,1-Dichloroethane	6.27	63	861371	94.921	ug/l	98
25) 2-Butanone	7.22	43	621424	532.799	ug/l	98
26) 2,2-Dichloropropane	7.21	77	750492	92.413	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	566459	101.942	ug/l	100
28) Bromochloromethane	7.55	49	341506	93.764	ug/l	99
29) Tetrahydrofuran	7.57	42	411450	561.379	ug/l	99
30) Chloroform	7.71	83	888942	93.554	ug/l	98
31) Cyclohexane	7.98	56	796834	94.658	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	801155	93.298	ug/l	99
36) 1,1-Dichloropropene	8.11	75	702021	98.890	ug/l	99
37) Ethyl Acetate	7.30	43	286061	108.528	ug/l	99
38) Carbon Tetrachloride	8.10	117	738864	95.853	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	890349	110.793	ug/l	98
40) Benzene	8.36	78	2020730	99.629	ug/l	99
41) Methacrylonitrile	7.53	41	159864m	103.759	ug/l	
42) 1,2-Dichloroethane	8.43	62	555753	98.098	ug/l	99
43) Isopropyl Acetate	8.46	43	536574	111.577	ug/l	99
44) Trichloroethene	9.12	130	571162	97.980	ug/l	95
45) 1,2-Dichloropropane	9.39	63	495083	100.243	ug/l	99
46) Dibromomethane	9.48	93	266746	100.481	ug/l	98
47) Bromodichloromethane	9.67	83	686671	98.639	ug/l	99
48) Methyl methacrylate	9.46	41	258785	116.026	ug/l	97
49) 1,4-Dioxane	9.47	88	62491	2222.689	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	1417839	572.110	ug/l	100
52) Toluene	10.41	92	1321615	103.056	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	671580	108.690	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	802250	106.042	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	367775	98.722	ug/l	96
56) Ethyl methacrylate	10.67	69	463857	123.456	ug/l	99
57) 1,3-Dichloropropane	10.95	76	634545	102.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1147397	581.511	ug/l	99
59) 2-Hexanone	10.99	43	970129	589.024	ug/l	97
60) Dibromochloromethane	11.15	129	499455	100.666	ug/l	98
61) 1,2-Dibromoethane	11.25	107	359360	101.478	ug/l	98
64) Tetrachloroethene	10.88	164	492155	95.134	ug/l	98
65) Chlorobenzene	11.68	112	1387386	98.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	537689	100.206	ug/l	99
67) Ethyl Benzene	11.75	91	2489018	107.011	ug/l	99
68) m/p-Xylenes	11.86	106	1947886	212.270	ug/l	100
69) o-Xylene	12.19	106	876865	110.892	ug/l	99
70) Styrene	12.20	104	1564246	111.893	ug/l	100
71) Bromoform	12.37	173	301830	100.296	ug/l #	99
73) Isopropylbenzene	12.49	105	2347242	109.657	ug/l	100
74) N-amyl acetate	12.30	43	505569	119.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	389293	98.936	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	286139m	63.394	ug/l	
77) Bromobenzene	12.77	156	592214	100.918	ug/l	98
78) n-propylbenzene	12.83	91	2769283	107.198	ug/l	99
79) 2-Chlorotoluene	12.92	91	1530729	103.390	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1958444	108.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	135744	116.701	ug/l	99
82) 4-Chlorotoluene	13.01	91	1623773	101.896	ug/l	99
83) tert-Butylbenzene	13.23	119	1705125	113.030	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1957305	109.175	ug/l	99
85) sec-Butylbenzene	13.41	105	2331457	108.612	ug/l	99
86) p-Isopropyltoluene	13.53	119	2193639	110.738	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1132040	100.035	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1090893	96.514	ug/l	99
89) n-Butylbenzene	13.85	91	1975316	110.493	ug/l	100
90) Hexachloroethane	14.13	117	423551	98.014	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	958944	99.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	59703	98.366	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	688987	108.951	ug/l	98
94) Hexachlorobutadiene	15.28	225	431209	98.100	ug/l	98
95) Naphthalene	15.42	128	1155159	126.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	600294	109.664	ug/l	100

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

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