

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065607.D
 Acq On : 09 Apr 2020 11:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:37 PM

Quant Time: Apr 10 01:21:48 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	453411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	41990	9.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.58%	
35) Dibromofluoromethane	7.92	113	42525	9.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.28%	
50) Toluene-d8	10.34	98	155628	9.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.32%	
62) 4-Bromofluorobenzene	12.64	95	48895	8.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	38962	9.529	ug/l	97
3) Chloromethane	2.21	50	51942	10.216	ug/l	99
4) Vinyl Chloride	2.35	62	46934	9.873	ug/l	100
5) Bromomethane	2.77	94	34122	10.178	ug/l	91
6) Chloroethane	2.92	64	29440	10.056	ug/l	99
7) Trichlorofluoromethane	3.27	101	72373	10.038	ug/l	89
8) Diethyl Ether	3.71	74	14568	9.779	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46533	9.873	ug/l	97
10) Methyl Iodide	4.29	142	38290	8.256	ug/l	96
11) Tert butyl alcohol	5.24	59	9482	43.413	ug/l	95
12) 1,1-Dichloroethene	4.06	96	42754	9.835	ug/l	98
13) Acrolein	3.92	56	15632	52.022	ug/l	97
14) Allyl chloride	4.71	41	61274	9.502	ug/l	99
15) Acrylonitrile	5.44	53	43155	49.125	ug/l	99
16) Acetone	4.16	43	39644	51.197	ug/l	99
17) Carbon Disulfide	4.40	76	142997	9.886	ug/l	99
18) Methyl Acetate	4.72	43	22338	9.828	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	77295	9.198	ug/l	99
20) Methylene Chloride	4.96	84	52011	10.161	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	47314	9.590	ug/l	90
22) Diisopropyl ether	6.37	45	116615	9.408	ug/l	90
23) Vinyl Acetate	6.31	43	296546	46.560	ug/l	97
24) 1,1-Dichloroethane	6.26	63	80495	9.761	ug/l	97
25) 2-Butanone	7.22	43	51820	48.893	ug/l	91
26) 2,2-Dichloropropane	7.21	77	73801	10.000	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	49284	9.760	ug/l	99
28) Bromochloromethane	7.55	49	34514	10.428	ug/l	99
29) Tetrahydrofuran	7.57	42	31068	46.647	ug/l	96
30) Chloroform	7.71	83	86619	10.032	ug/l	99
31) Cyclohexane	7.99	56	73425	9.599	ug/l	# 92
32) 1,1,1-Trichloroethane	7.91	97	75663	9.696	ug/l	98
36) 1,1-Dichloropropene	8.11	75	64229	9.368	ug/l	99
37) Ethyl Acetate	7.30	43	22684	8.911	ug/l	97
38) Carbon Tetrachloride	8.10	117	70225	9.433	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66395	8.554	ug/l	92
40) Benzene	8.36	78	183393	9.362	ug/l	99
41) Methacrylonitrile	7.53	41	12224	8.215	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	53646	9.804	ug/l	100
43) Isopropyl Acetate	8.46	43	42395	9.128	ug/l	96
44) Trichloroethene	9.12	130	53962	9.585	ug/l	99
45) 1,2-Dichloropropane	9.39	63	45083	9.451	ug/l	94
46) Dibromomethane	9.48	93	24836	9.687	ug/l	95
47) Bromodichloromethane	9.67	83	64852	9.646	ug/l	97
48) Methyl methacrylate	9.46	41	19339	8.977	ug/l	99
49) 1,4-Dioxane	9.47	88	5196	191.353	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	108736	45.429	ug/l	98
52) Toluene	10.41	92	114202	9.220	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	54161	9.076	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	69123	9.460	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	35792	9.948	ug/l	96
56) Ethyl methacrylate	10.67	69	31422	8.659	ug/l	96
57) 1,3-Dichloropropane	10.95	76	56335	9.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	85939	45.096	ug/l	100
59) 2-Hexanone	10.99	43	71586	45.002	ug/l	95
60) Dibromochloromethane	11.15	129	46775	9.761	ug/l	98
61) 1,2-Dibromoethane	11.25	107	33054	9.664	ug/l	99
64) Tetrachloroethene	10.88	164	47895	9.429	ug/l	99
65) Chlorobenzene	11.68	112	128567	9.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	48925	9.286	ug/l	98
67) Ethyl Benzene	11.75	91	199272	8.725	ug/l	99
68) m/p-Xylenes	11.86	106	160636	17.828	ug/l	99
69) o-Xylene	12.18	106	66898	8.616	ug/l	98
70) Styrene	12.20	104	118863	8.659	ug/l	99
71) Bromoform	12.37	173	28439	9.624	ug/l #	99
73) Isopropylbenzene	12.48	105	181026	8.630	ug/l	99
74) N-amyl acetate	12.30	43	37390	9.001	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	37860	9.819	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	29567m	6.685	ug/l	
77) Bromobenzene	12.77	156	52717	9.167	ug/l	96
78) n-propylbenzene	12.83	91	225460	8.906	ug/l	99
79) 2-Chlorotoluene	12.91	91	132338	9.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	153276	8.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10041	8.809	ug/l	91
82) 4-Chlorotoluene	13.01	91	143591	9.195	ug/l	100
83) tert-Butylbenzene	13.23	119	121060	8.189	ug/l	94
84) 1,2,4-Trimethylbenzene	13.28	105	154304	8.783	ug/l	99
85) sec-Butylbenzene	13.41	105	185408	8.814	ug/l	99
86) p-Isopropyltoluene	13.53	119	166787	8.592	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	104542	9.427	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	105300	9.507	ug/l	97
89) n-Butylbenzene	13.86	91	149711	8.546	ug/l	98
90) Hexachloroethane	14.12	117	39169	9.250	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	89879	9.527	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5677	9.545	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	54736	8.833	ug/l	98
94) Hexachlorobutadiene	15.28	225	40469	9.395	ug/l	99
95) Naphthalene	15.41	128	70869	7.893	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	46835	8.731	ug/l	99

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

