

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066536.D
 Acq On : 03 Sep 2020 14:35
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:49 PM

Quant Time: Sep 04 01:51:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	336677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	574721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	522509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	21926	6.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.20%	
35) Dibromofluoromethane	7.91	113	20926	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	
50) Toluene-d8	10.33	98	68506	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
62) 4-Bromofluorobenzene	12.63	95	23315	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	18437	6.394	ug/l	98
3) Chloromethane	2.20	50	24876	11.929	ug/l	92
4) Vinyl Chloride	2.34	62	24818	9.965	ug/l	98
5) Bromomethane	2.77	94	20317	10.371	ug/l	98
6) Chloroethane	2.93	64	16100	9.762	ug/l	92
7) Trichlorofluoromethane	3.27	101	38572	5.999	ug/l	98
8) Diethyl Ether	3.71	74	9201	7.136	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	21306	7.543	ug/l	98
10) Methyl Iodide	4.30	142	11432	3.857	ug/l	97
11) Tert butyl alcohol	5.18	59	17938m	67.841	ug/l	
12) 1,1-Dichloroethene	4.07	96	18060	6.903	ug/l #	79
13) Acrolein	3.93	56	4539	37.237	ug/l	97
14) Allyl chloride	4.71	41	27414	8.534	ug/l #	89
15) Acrylonitrile	5.43	53	18151	37.686	ug/l	91
16) Acetone	4.16	43	20042	35.694	ug/l	97
17) Carbon Disulfide	4.40	76	57716	7.399	ug/l	98
18) Methyl Acetate	4.72	43	10649	10.764	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	36603	5.432	ug/l	99
20) Methylene Chloride	4.96	84	40896	12.246	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	20259	6.661	ug/l #	89
22) Diisopropyl ether	6.37	45	49556	7.557	ug/l #	95
23) Vinyl Acetate	6.30	43	136829	33.345	ug/l	99
24) 1,1-Dichloroethane	6.27	63	36592	7.583	ug/l	96
25) 2-Butanone	7.21	43	25616	41.284	ug/l	97
26) 2,2-Dichloropropane	7.20	77	36821	6.482	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	22414	6.823	ug/l	94
28) Bromochloromethane	7.54	49	14318	9.494	ug/l	100
29) Tetrahydrofuran	7.56	42	14706	43.490	ug/l #	82
30) Chloroform	7.71	83	39019	6.582	ug/l	97
31) Cyclohexane	7.98	56	38946	9.095	ug/l #	73
32) 1,1,1-Trichloroethane	7.90	97	39147	6.148	ug/l	92
36) 1,1-Dichloropropene	8.11	75	29053	5.639	ug/l	97
37) Ethyl Acetate	7.29	43	11064	6.680	ug/l #	96
38) Carbon Tetrachloride	8.10	117	29447	3.997	ug/l	87

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Quant Time: Sep 04 01:51:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	28783	4.762	ug/l	89
40) Benzene	8.34	78	80218	5.982	ug/l	98
41) Methacrylonitrile	7.51	41	5626	6.386	ug/l #	81
42) 1,2-Dichloroethane	8.41	62	27648	5.114	ug/l	95
43) Isopropyl Acetate	8.44	43	21482	6.359	ug/l #	59
44) Trichloroethene	9.11	130	21853	4.956	ug/l	99
45) 1,2-Dichloropropane	9.38	63	19973	7.118	ug/l	94
46) Dibromomethane	9.47	93	10916	5.665	ug/l	97
47) Bromodichloromethane	9.66	83	30329	5.377	ug/l	94
48) Methyl methacrylate	9.45	41	10905	6.326	ug/l	96
49) 1,4-Dioxane	9.46	88	2229	99.956	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	51704	32.630	ug/l	92
52) Toluene	10.40	92	48334	5.167	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	24919	4.866	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	29949	5.418	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14234	5.835	ug/l #	85
56) Ethyl methacrylate	10.66	69	13900	4.776	ug/l	94
57) 1,3-Dichloropropane	10.94	76	24058	5.876	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	34808	29.699	ug/l	100
59) 2-Hexanone	10.98	43	32831	28.881	ug/l	97
60) Dibromochloromethane	11.14	129	18784	4.832	ug/l	96
61) 1,2-Dibromoethane	11.24	107	14210	5.706	ug/l	96
64) Tetrachloroethene	10.87	164	17909	4.528	ug/l	90
65) Chlorobenzene	11.67	112	53442	5.206	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	20626	4.824	ug/l	100
67) Ethyl Benzene	11.74	91	90097	4.930	ug/l #	85
68) m/p-Xylenes	11.86	106	60949	8.634	ug/l	93
69) o-Xylene	12.18	106	27351	4.116	ug/l	100
70) Styrene	12.20	104	47038	4.132	ug/l	96
71) Bromoform	12.36	173	9966	4.330	ug/l #	98
73) Isopropylbenzene	12.48	105	76621	4.631	ug/l	99
74) N-amyl acetate	12.29	43	17635	6.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	16141	7.580	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	12539m	7.429	ug/l	
77) Bromobenzene	12.76	156	19205	4.689	ug/l	99
78) n-propylbenzene	12.82	91	91781	4.972	ug/l	100
79) 2-Chlorotoluene	12.91	91	52804	5.000	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	61626	4.295	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4516	6.186	ug/l	95
82) 4-Chlorotoluene	13.00	91	59510	5.248	ug/l	95
83) tert-Butylbenzene	13.23	119	50718	4.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	59333	4.156	ug/l	99
85) sec-Butylbenzene	13.40	105	77045	4.776	ug/l	99
86) p-Isopropyltoluene	13.52	119	64284	4.057	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	38175	4.973	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	40242	5.206	ug/l	95
89) n-Butylbenzene	13.85	91	68057	5.004	ug/l	96
90) Hexachloroethane	14.11	117	16972	5.798	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	34974	5.251	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2937	5.777	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	19024	3.766	ug/l	94
94) Hexachlorobutadiene	15.27	225	12410	3.828	ug/l	99
95) Naphthalene	15.41	128	28135	3.492	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	15441	3.527	ug/l	95

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

