

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066397.D
 Acq On : 25 Aug 2020 12:51
 Operator : VA/SY
 Sample : VD0825SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 4:23:04 PM

Quant Time: Aug 26 08:19:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	221795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	317508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117710	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.91	113	100753	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.33	98	363023	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.63	95	127929	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36524	19.370	ug/l	95
3) Chloromethane	2.20	50	24262	18.152	ug/l	97
4) Vinyl Chloride	2.34	62	25341	17.659	ug/l	96
5) Bromomethane	2.75	94	19842	18.486	ug/l	91
6) Chloroethane	2.91	64	17085	18.593	ug/l	90
7) Trichlorofluoromethane	3.26	101	73713	18.890	ug/l	95
8) Diethyl Ether	3.71	74	16125	18.443	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	35689	18.532	ug/l	99
10) Methyl Iodide	4.29	142	32301	14.706	ug/l	99
11) Tert butyl alcohol	5.20	59	24200m	182.251	ug/l	
12) 1,1-Dichloroethene	4.06	96	32543	18.002	ug/l	89
13) Acrolein	3.91	56	8372	86.702	ug/l	98
14) Allyl chloride	4.71	41	42238	17.506	ug/l	96
15) Acrylonitrile	5.43	53	36131	102.996	ug/l	94
16) Acetone	4.16	43	36637	93.456	ug/l	99
17) Carbon Disulfide	4.40	76	94576	17.263	ug/l	96
18) Methyl Acetate	4.71	43	15083	20.500	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	87100	20.010	ug/l #	84
20) Methylene Chloride	4.96	84	44438	17.038	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	37260	17.707	ug/l	97
22) Diisopropyl ether	6.36	45	88027	18.843	ug/l	96
23) Vinyl Acetate	6.30	43	278296	96.231	ug/l	99
24) 1,1-Dichloroethane	6.26	63	60236	18.246	ug/l	98
25) 2-Butanone	7.21	43	44545	100.092	ug/l	98
26) 2,2-Dichloropropane	7.20	77	67247	19.006	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	41570	18.437	ug/l	97
28) Bromochloromethane	7.53	49	19460	17.113	ug/l	92
29) Tetrahydrofuran	7.56	42	26163	103.502	ug/l	96
30) Chloroform	7.71	83	72387	18.952	ug/l	96
31) Cyclohexane	7.98	56	52699	17.454	ug/l #	94
32) 1,1,1-Trichloroethane	7.89	97	74153	18.969	ug/l	99
36) 1,1-Dichloropropene	8.11	75	50315	17.368	ug/l	99
37) Ethyl Acetate	7.29	43	19540	19.831	ug/l #	92
38) Carbon Tetrachloride	8.08	117	72469	19.200	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60498	17.727	ug/l	99
40) Benzene	8.34	78	141235	18.532	ug/l	95
41) Methacrylonitrile	7.53	41	12463m	20.511	ug/l	
42) 1,2-Dichloroethane	8.42	62	55363	20.625	ug/l	100
43) Isopropyl Acetate	8.44	43	38603	19.519	ug/l	100
44) Trichloroethene	9.11	130	45925	18.545	ug/l	86
45) 1,2-Dichloropropane	9.38	63	32302	18.696	ug/l	93
46) Dibromomethane	9.47	93	21265	19.768	ug/l	99
47) Bromodichloromethane	9.66	83	58015	19.610	ug/l	96
48) Methyl methacrylate	9.45	41	18536	18.175	ug/l	92
49) 1,4-Dioxane	9.46	88	5052	404.446	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	95432	99.748	ug/l	100
52) Toluene	10.40	92	98200	19.019	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	55534	19.783	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	60615	19.237	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	30093	20.664	ug/l	91
56) Ethyl methacrylate	10.66	69	32703	19.398	ug/l	96
57) 1,3-Dichloropropane	10.94	76	46684	19.380	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	72343	103.320	ug/l	96
59) 2-Hexanone	10.98	43	68794	101.940	ug/l	100
60) Dibromochloromethane	11.14	129	42282	19.261	ug/l	96
61) 1,2-Dibromoethane	11.24	107	27540	19.216	ug/l	99
64) Tetrachloroethene	10.87	164	40595	17.961	ug/l	91
65) Chlorobenzene	11.67	112	109663	18.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	45011	18.581	ug/l	98
67) Ethyl Benzene	11.74	91	198312	19.006	ug/l	99
68) m/p-Xylenes	11.85	106	148390	37.312	ug/l	97
69) o-Xylene	12.18	106	67904	18.354	ug/l	99
70) Styrene	12.20	104	123027	19.366	ug/l	100
71) Bromoform	12.36	173	27908	20.306	ug/l #	99
73) Isopropylbenzene	12.48	105	195731	18.483	ug/l	98
74) N-amyl acetate	12.29	43	35930	18.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	28877	19.089	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	24522m	22.050	ug/l	
77) Bromobenzene	12.76	156	51698	19.234	ug/l	98
78) n-propylbenzene	12.82	91	218128	17.964	ug/l	98
79) 2-Chlorotoluene	12.91	91	126825	18.288	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	168272	18.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10523	20.085	ug/l	97
82) 4-Chlorotoluene	13.01	91	136223	18.540	ug/l	98
83) tert-Butylbenzene	13.23	119	144893	18.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	167958	18.702	ug/l	100
85) sec-Butylbenzene	13.40	105	195308	18.770	ug/l	99
86) p-Isopropyltoluene	13.52	119	185844	18.523	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93922	18.720	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96132	19.083	ug/l	100
89) n-Butylbenzene	13.85	91	160164	18.090	ug/l	99
90) Hexachloroethane	14.11	117	34796	17.556	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	83660	19.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6172	19.453	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	62976	18.676	ug/l	99
94) Hexachlorobutadiene	15.27	225	38582	18.412	ug/l	97
95) Naphthalene	15.41	128	100068	18.895	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	54085	18.724	ug/l	95

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

