

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065695.D
 Acq On : 06 May 2020 14:17
 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
 5/7/2020 10:35:54 AM

Quant Time: May 06 16:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	800872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	27123	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	7.92	113	26066	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.34	98	100339	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	12.64	95	36782	5.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	24640	5.519	ug/l	96
3) Chloromethane	2.21	50	28470	5.055	ug/l	97
4) Vinyl Chloride	2.34	62	27982	5.274	ug/l	97
5) Bromomethane	2.77	94	17514	4.717	ug/l	91
6) Chloroethane	2.92	64	17997	5.449	ug/l	96
7) Trichlorofluoromethane	3.27	101	44859	5.477	ug/l	96
8) Diethyl Ether	3.71	74	13914	7.611	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27087	5.144	ug/l	96
10) Methyl Iodide	4.30	142	21013	4.158	ug/l	97
11) Tert butyl alcohol	5.22	59	15024	54.622	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	27244	5.549	ug/l	99
13) Acrolein	3.93	56	11395	32.227	ug/l	90
14) Allyl chloride	4.71	41	52233	6.802	ug/l	98
15) Acrylonitrile	5.42	53	33391	32.315	ug/l	93
16) Acetone	4.16	43	27982	29.560	ug/l	91
17) Carbon Disulfide	4.40	76	86037	5.284	ug/l	99
18) Methyl Acetate	4.72	43	16355	6.241	ug/l #	91
19) Methyl tert-butyl Ether	5.48	73	61255	6.197	ug/l	96
20) Methylene Chloride	4.96	84	30958	5.346	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	31388	5.698	ug/l	99
22) Diisopropyl ether	6.36	45	93432	6.396	ug/l	94
23) Vinyl Acetate	6.31	43	273521	34.252	ug/l	99
24) 1,1-Dichloroethane	6.26	63	52200	5.547	ug/l	100
25) 2-Butanone	7.21	43	42395	32.822	ug/l	94
26) 2,2-Dichloropropane	7.21	77	48483	5.747	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	32907	5.749	ug/l	99
28) Bromochloromethane	7.55	49	19716	5.109	ug/l	97
29) Tetrahydrofuran	7.57	42	28187	34.823	ug/l	96
30) Chloroform	7.71	83	50239	5.177	ug/l	86
31) Cyclohexane	7.98	56	63130	7.118	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	48148	5.472	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42856	5.298	ug/l	96
37) Ethyl Acetate	7.30	43	21734	6.824	ug/l #	92
38) Carbon Tetrachloride	8.10	117	42572	4.917	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	54657	5.943	ug/l	96
40) Benzene	8.36	78	112735	4.918	ug/l	98
41) Methacrylonitrile	7.53	41	13322	7.534	ug/l	93
42) 1,2-Dichloroethane	8.43	62	32532	5.014	ug/l	95
43) Isopropyl Acetate	8.46	43	40465	6.828	ug/l	98
44) Trichloroethene	9.11	130	30897	4.713	ug/l	99
45) 1,2-Dichloropropane	9.39	63	28407	5.019	ug/l	96
46) Dibromomethane	9.48	93	14891	4.926	ug/l	97
47) Bromodichloromethane	9.67	83	38859	4.918	ug/l	97
48) Methyl methacrylate	9.46	41	19714	7.039	ug/l	97
49) 1,4-Dioxane	9.47	88	3479	105.303	ug/l #	77
51) 4-Methyl-2-Pentanone	10.23	43	95725	31.826	ug/l	100
52) Toluene	10.41	92	71671	4.969	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	39025	5.450	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	46504	5.348	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	18989	4.495	ug/l	98
56) Ethyl methacrylate	10.67	69	27997	6.271	ug/l	95
57) 1,3-Dichloropropane	10.95	76	33210	4.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	61268	26.636	ug/l	99
59) 2-Hexanone	10.99	43	65600	32.631	ug/l	98
60) Dibromochloromethane	11.14	129	26291	4.705	ug/l	96
61) 1,2-Dibromoethane	11.26	107	19768	4.885	ug/l	100
64) Tetrachloroethene	10.88	164	26911	5.009	ug/l	97
65) Chlorobenzene	11.68	112	73356	4.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	27035	4.832	ug/l	97
67) Ethyl Benzene	11.75	91	137692	5.608	ug/l	100
68) m/p-Xylenes	11.86	106	104021	10.888	ug/l	99
69) o-Xylene	12.19	106	47313	5.665	ug/l	100
70) Styrene	12.20	104	80483	5.502	ug/l	100
71) Bromoform	12.37	173	14994	4.736	ug/l #	99
73) Isopropylbenzene	12.48	105	136059	6.448	ug/l	99
74) N-amyl acetate	12.30	43	37247	7.970	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	22374	5.719	ug/l	96
76) 1,2,3-Trichloropropane	12.80	75	12692m	4.750	ug/l	
77) Bromobenzene	12.77	156	30371	5.354	ug/l	97
78) n-propylbenzene	12.83	91	154535	6.074	ug/l	99
79) 2-Chlorotoluene	12.91	91	87574	5.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	108780	6.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8277	6.906	ug/l	90
82) 4-Chlorotoluene	13.01	91	93861	5.994	ug/l	98
83) tert-Butylbenzene	13.23	119	93034	6.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	108543	6.179	ug/l	98
85) sec-Butylbenzene	13.41	105	131783	6.220	ug/l	99
86) p-Isopropyltoluene	13.53	119	118168	6.094	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	56087	5.130	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	56736	5.199	ug/l	94
89) n-Butylbenzene	13.86	91	113721	6.374	ug/l	97
90) Hexachloroethane	14.12	117	23078	5.427	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	47269	5.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3774	6.068	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	36914	5.895	ug/l	99
94) Hexachlorobutadiene	15.28	225	21368	5.052	ug/l	98
95) Naphthalene	15.41	128	65099	6.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	30668	5.682	ug/l	98

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

