

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065404.D
 Acq On : 04 Mar 2020 10:37
 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
 3/5/2020 1:38:23 PM

Quant Time: Mar 04 16:10:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	297974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	19382	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.92	113	20561	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.34	98	73015	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.64	95	22488	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20773	5.409	ug/l	98
3) Chloromethane	2.21	50	24450	5.315	ug/l	98
4) Vinyl Chloride	2.35	62	24256	5.332	ug/l	95
5) Bromomethane	2.78	94	17098	5.850	ug/l	99
6) Chloroethane	2.93	64	14548	5.240	ug/l	99
7) Trichlorofluoromethane	3.28	101	37628	5.611	ug/l	92
8) Diethyl Ether	3.71	74	9363	4.676	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	22169	5.135	ug/l	98
10) Methyl Iodide	4.30	142	17048	3.825	ug/l	96
11) Tert butyl alcohol	5.25	59	4559	22.068	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	21113	5.111	ug/l	96
13) Acrolein	3.92	56	9786	25.964	ug/l	96
14) Allyl chloride	4.71	41	29963	4.709	ug/l	96
15) Acrylonitrile	5.43	53	20871	23.724	ug/l	97
16) Acetone	4.17	43	19728	25.321	ug/l #	83
17) Carbon Disulfide	4.40	76	70264	5.096	ug/l	98
18) Methyl Acetate	4.73	43	10044	5.042	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	34055	4.242	ug/l	100
20) Methylene Chloride	4.97	84	29723	6.153	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	23468	5.093	ug/l	86
22) Diisopropyl ether	6.37	45	51889	4.345	ug/l #	93
23) Vinyl Acetate	6.31	43	123751	18.687	ug/l	98
24) 1,1-Dichloroethane	6.27	63	38465	5.071	ug/l	93
25) 2-Butanone	7.23	43	23716	22.249	ug/l	90
26) 2,2-Dichloropropane	7.21	77	33911	5.115	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	22427	4.747	ug/l	98
28) Bromochloromethane	7.55	49	17171	5.581	ug/l	97
29) Tetrahydrofuran	7.58	42	13452	19.645	ug/l	99
30) Chloroform	7.71	83	40235	5.275	ug/l	99
31) Cyclohexane	7.99	56	40552	5.373	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	37427	5.346	ug/l	96
36) 1,1-Dichloropropene	8.12	75	31009	4.765	ug/l	99
37) Ethyl Acetate	7.30	43	11240	4.413	ug/l #	79
38) Carbon Tetrachloride	8.10	117	34141	5.083	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	32082	4.126	ug/l	95
40) Benzene	8.36	78	87086	4.774	ug/l	99
41) Methacrylonitrile	7.53	41	5787	4.471	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	24143	5.030	ug/l	100
43) Isopropyl Acetate	8.46	43	19925	4.275	ug/l	93
44) Trichloroethene	9.11	130	25161	4.914	ug/l	98
45) 1,2-Dichloropropane	9.39	63	21036	4.748	ug/l	91
46) Dibromomethane	9.48	93	11512	4.998	ug/l	97
47) Bromodichloromethane	9.67	83	29192	4.882	ug/l	93
48) Methyl methacrylate	9.46	41	8634	3.916	ug/l #	92
49) 1,4-Dioxane	9.47	88	2197	82.864	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	45050	19.112	ug/l	97
52) Toluene	10.41	92	49325	4.288	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	24276	4.315	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	28912	4.255	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	15231	4.676	ug/l	93
56) Ethyl methacrylate	10.67	69	12916	3.497	ug/l	95
57) 1,3-Dichloropropane	10.95	76	25074	4.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	22268	16.960	ug/l	99
59) 2-Hexanone	10.99	43	30287	18.535	ug/l	92
60) Dibromochloromethane	11.14	129	19617	4.677	ug/l	97
61) 1,2-Dibromoethane	11.25	107	14592	4.690	ug/l	96
64) Tetrachloroethene	10.88	164	22368	5.077	ug/l	96
65) Chlorobenzene	11.68	112	58352	4.782	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	21316	4.785	ug/l	99
67) Ethyl Benzene	11.75	91	92285	4.387	ug/l	100
68) m/p-Xylenes	11.86	106	67067	8.270	ug/l	96
69) o-Xylene	12.18	106	29110	4.081	ug/l	99
70) Styrene	12.20	104	49545	3.938	ug/l	99
71) Bromoform	12.37	173	11497	4.575	ug/l #	95
73) Isopropylbenzene	12.48	105	78646	4.019	ug/l	99
74) N-amyl acetate	12.30	43	16574	4.101	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	16121	4.644	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	8772m	2.131	ug/l	
77) Bromobenzene	12.77	156	22084	4.501	ug/l	98
78) n-propylbenzene	12.83	91	97282	4.177	ug/l	100
79) 2-Chlorotoluene	12.91	91	55972	4.272	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	64117	3.980	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	4838	4.332	ug/l #	89
82) 4-Chlorotoluene	13.01	91	60690	4.394	ug/l	99
83) tert-Butylbenzene	13.23	119	55787	4.101	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	64236	4.039	ug/l	99
85) sec-Butylbenzene	13.41	105	78144	4.025	ug/l	97
86) p-Isopropyltoluene	13.53	119	69516	3.922	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	44478	4.746	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	46141	4.935	ug/l	97
89) n-Butylbenzene	13.86	91	68573	4.193	ug/l	97
90) Hexachloroethane	14.12	117	18347	5.013	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	38424	4.783	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.53	75	2654	4.980	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	23050	4.265	ug/l	94
94) Hexachlorobutadiene	15.28	225	16053	4.541	ug/l	96
95) Naphthalene	15.41	128	29918	3.442	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.61	180	20200	4.303	ug/l	99

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

