

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065338.D
 Acq On : 27 Feb 2020 10:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:06 AM

Quant Time: Feb 28 00:46:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	475882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210006	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	7.92	113	223453	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	10.34	98	884589	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
62) 4-Bromofluorobenzene	12.64	95	277344	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204270	51.178	ug/l	100
3) Chloromethane	2.21	50	243875	48.004	ug/l	97
4) Vinyl Chloride	2.36	62	247973	48.001	ug/l	98
5) Bromomethane	2.77	94	148899	47.670	ug/l	97
6) Chloroethane	2.93	64	149534	47.420	ug/l	99
7) Trichlorofluoromethane	3.27	101	372320	50.340	ug/l	100
8) Diethyl Ether	3.71	74	104917	46.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	238663	51.098	ug/l	99
10) Methyl Iodide	4.29	142	257346	53.066	ug/l	99
11) Tert butyl alcohol	5.24	59	57221	223.676	ug/l	100
12) 1,1-Dichloroethene	4.06	96	222971	50.536	ug/l	98
13) Acrolein	3.93	56	70728	222.489	ug/l	99
14) Allyl chloride	4.71	41	353319	49.313	ug/l	98
15) Acrylonitrile	5.43	53	232664	235.389	ug/l	100
16) Acetone	4.16	43	272779	260.657	ug/l	98
17) Carbon Disulfide	4.40	76	716136	48.413	ug/l	99
18) Methyl Acetate	4.72	43	107731	45.771	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	446356	48.513	ug/l	99
20) Methylene Chloride	4.96	84	240723	51.840	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	255991	51.037	ug/l	99
22) Diisopropyl ether	6.37	45	697802	50.520	ug/l	99
23) Vinyl Acetate	6.31	43	1905796	250.279	ug/l	99
24) 1,1-Dichloroethane	6.27	63	429774	50.165	ug/l	98
25) 2-Butanone	7.22	43	315402	238.209	ug/l	100
26) 2,2-Dichloropropane	7.21	77	382077	51.401	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	269926	50.805	ug/l	98
28) Bromochloromethane	7.55	49	159166	50.077	ug/l	99
29) Tetrahydrofuran	7.57	42	185740	239.419	ug/l	100
30) Chloroform	7.71	83	431230	49.961	ug/l	99
31) Cyclohexane	7.98	56	406962	48.347	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	388740	50.338	ug/l	99
36) 1,1-Dichloropropene	8.11	75	355131	53.817	ug/l	99
37) Ethyl Acetate	7.30	43	129211	46.839	ug/l	98
38) Carbon Tetrachloride	8.10	117	362258	53.927	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428364	55.217	ug/l	100
40) Benzene	8.35	78	995512	53.448	ug/l	99
41) Methacrylonitrile	7.53	41	65404	41.062	ug/l	92
42) 1,2-Dichloroethane	8.43	62	250414	48.904	ug/l	99
43) Isopropyl Acetate	8.46	43	243198	48.480	ug/l	98
44) Trichloroethene	9.11	130	279637	54.162	ug/l	99
45) 1,2-Dichloropropane	9.39	63	245534	53.014	ug/l	97
46) Dibromomethane	9.48	93	122349	51.343	ug/l	98
47) Bromodichloromethane	9.67	83	326739	52.029	ug/l	98
48) Methyl methacrylate	9.46	41	116642	50.304	ug/l	98
49) 1,4-Dioxane	9.47	88	28024	1002.694	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	639456	250.972	ug/l	99
52) Toluene	10.41	92	642302	55.712	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	304927	52.384	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	372200	52.951	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	171332	51.082	ug/l	96
56) Ethyl methacrylate	10.67	69	203492	52.564	ug/l	97
57) 1,3-Dichloropropane	10.95	76	295005	51.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	276041	226.168	ug/l	99
59) 2-Hexanone	10.99	43	496549	272.245	ug/l	97
60) Dibromochloromethane	11.14	129	224206	52.227	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165489	52.112	ug/l	100
64) Tetrachloroethene	10.88	164	238291	54.820	ug/l	98
65) Chlorobenzene	11.68	112	660737	53.723	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	245417	53.472	ug/l	98
67) Ethyl Benzene	11.75	91	1195504	55.501	ug/l	99
68) m/p-Xylenes	11.86	106	919715	111.600	ug/l	100
69) o-Xylene	12.18	106	407350	55.792	ug/l	99
70) Styrene	12.20	104	721090	55.626	ug/l	100
71) Bromoform	12.37	173	132335	51.961	ug/l #	99
73) Isopropylbenzene	12.49	105	1138869	56.744	ug/l	100
74) N-amyl acetate	12.30	43	223189	50.046	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	180967	49.960	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	132078m	51.207	ug/l	
77) Bromobenzene	12.77	156	266536	53.481	ug/l	99
78) n-propylbenzene	12.83	91	1363121	56.517	ug/l	99
79) 2-Chlorotoluene	12.91	91	738064	54.625	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	933449	56.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58808	49.229	ug/l	96
82) 4-Chlorotoluene	13.01	91	772773	53.873	ug/l	99
83) tert-Butylbenzene	13.23	119	802260	57.906	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	930894	56.262	ug/l	100
85) sec-Butylbenzene	13.41	105	1117478	55.976	ug/l	100
86) p-Isopropyltoluene	13.53	119	1040998	57.020	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	508535	52.781	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	497366	52.305	ug/l	99
89) n-Butylbenzene	13.85	91	961888	57.176	ug/l	100
90) Hexachloroethane	14.13	117	198252	53.481	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	437675	52.906	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	26606	47.664	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	298289	55.123	ug/l	98
94) Hexachlorobutadiene	15.28	225	193079	55.622	ug/l	100
95) Naphthalene	15.42	128	482232	54.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	258771	54.754	ug/l	99

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

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