

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065616.D
 Acq On : 13 Apr 2020 14:52
 Operator : VA/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:30 AM

Quant Time: Apr 14 02:36:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	212822	45.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.76%	
35) Dibromofluoromethane	7.91	113	231724	48.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.84%	
50) Toluene-d8	10.34	98	858796	49.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	267154	47.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	86316	19.306	ug/l	98
3) Chloromethane	2.21	50	105260	18.932	ug/l	100
4) Vinyl Chloride	2.35	62	99591	19.158	ug/l	100
5) Bromomethane	2.76	94	70033	19.102	ug/l	95
6) Chloroethane	2.92	64	61480	19.204	ug/l	98
7) Trichlorofluoromethane	3.27	101	157747	20.007	ug/l	91
8) Diethyl Ether	3.70	74	35342	21.695	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103965	20.171	ug/l	97
10) Methyl Iodide	4.29	142	102967	19.492	ug/l	99
11) Tert butyl alcohol	5.25	59	27862	117.695	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	96142	20.224	ug/l	94
13) Acrolein	3.92	56	31518	95.916	ug/l	93
14) Allyl chloride	4.71	41	137214	19.458	ug/l	98
15) Acrylonitrile	5.43	53	91132	94.865	ug/l	98
16) Acetone	4.17	43	83472	98.576	ug/l	99
17) Carbon Disulfide	4.40	76	314976	19.913	ug/l	97
18) Methyl Acetate	4.72	43	47146	18.969	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181019	19.697	ug/l	98
20) Methylene Chloride	4.96	84	106134	18.961	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	109277	20.254	ug/l	91
22) Diisopropyl ether	6.36	45	277336	20.461	ug/l	96
23) Vinyl Acetate	6.31	43	706141	98.468	ug/l	99
24) 1,1-Dichloroethane	6.27	63	177961	19.735	ug/l	99
25) 2-Butanone	7.22	43	105150	90.723	ug/l	98
26) 2,2-Dichloropropane	7.21	77	163158	20.218	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112688	20.408	ug/l	98
28) Bromochloromethane	7.54	49	71047	19.630	ug/l	99
29) Tetrahydrofuran	7.57	42	67830	93.131	ug/l	99
30) Chloroform	7.71	83	188500	19.963	ug/l	99
31) Cyclohexane	7.98	56	162783	19.459	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	170592	19.992	ug/l	98
36) 1,1-Dichloropropene	8.11	75	149549	21.203	ug/l	100
37) Ethyl Acetate	7.30	43	52790	20.158	ug/l	99
38) Carbon Tetrachloride	8.10	117	160988	21.021	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166016	20.793	ug/l	96
40) Benzene	8.35	78	406492	20.172	ug/l	99
41) Methacrylonitrile	7.54	41	28951m	19.539	ug/l	
42) 1,2-Dichloroethane	8.43	62	111798	19.862	ug/l	100
43) Isopropyl Acetate	8.46	43	92904	19.444	ug/l	99
44) Trichloroethene	9.11	130	119870	20.697	ug/l	92
45) 1,2-Dichloropropane	9.39	63	97993	19.970	ug/l	98
46) Dibromomethane	9.48	93	51423	19.497	ug/l	96
47) Bromodichloromethane	9.67	83	139792	20.211	ug/l	99
48) Methyl methacrylate	9.46	41	44246	19.967	ug/l	98
49) 1,4-Dioxane	9.47	88	11797	422.325	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	243536	98.908	ug/l	99
52) Toluene	10.41	92	265467	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123015	20.038	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	151069	20.098	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72089	19.477	ug/l	97
56) Ethyl methacrylate	10.66	69	72507	18.652	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121950	19.892	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	192559	98.225	ug/l	99
59) 2-Hexanone	10.99	43	161221	98.523	ug/l	97
60) Dibromochloromethane	11.14	129	98253	19.932	ug/l	99
61) 1,2-Dibromoethane	11.25	107	70282	19.976	ug/l	100
64) Tetrachloroethene	10.88	164	109168	21.894	ug/l	96
65) Chlorobenzene	11.67	112	280875	20.689	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	106855	20.661	ug/l	99
67) Ethyl Benzene	11.75	91	477672	21.307	ug/l	100
68) m/p-Xylenes	11.86	106	381111	43.090	ug/l	100
69) o-Xylene	12.18	106	151593	19.890	ug/l	100
70) Styrene	12.20	104	263709	19.571	ug/l	97
71) Bromoform	12.37	173	53028	18.282	ug/l #	99
73) Isopropylbenzene	12.48	105	413345	20.502	ug/l	100
74) N-amyl acetate	12.30	43	77037	18.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	71912	19.404	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	47134m	18.573	ug/l	
77) Bromobenzene	12.77	156	114626	20.738	ug/l	96
78) n-propylbenzene	12.83	91	540320	22.206	ug/l	100
79) 2-Chlorotoluene	12.91	91	307193	22.029	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	377083	22.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20799	18.985	ug/l	95
82) 4-Chlorotoluene	13.01	91	325798	21.706	ug/l	100
83) tert-Butylbenzene	13.23	119	310802	21.874	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	372957	22.086	ug/l	99
85) sec-Butylbenzene	13.41	105	449435	22.229	ug/l	99
86) p-Isopropyltoluene	13.53	119	417736	22.389	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	223986	21.014	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	225168	21.150	ug/l	99
89) n-Butylbenzene	13.86	91	367373	21.818	ug/l	99
90) Hexachloroethane	14.12	117	79695	19.580	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	191949	21.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11060	19.347	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119516	20.066	ug/l	99
94) Hexachlorobutadiene	15.28	225	85008	20.533	ug/l	99
95) Naphthalene	15.41	128	169818	19.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	107584	20.867	ug/l	99

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

