

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065353.D
 Acq On : 28 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0228SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:31 AM

Quant Time: Feb 28 16:26:21 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	453883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	661917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305467	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	214956	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.91	113	222916	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.34	98	901241	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	
62) 4-Bromofluorobenzene	12.64	95	290120	59.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	72505	19.046	ug/l	99
3) Chloromethane	2.21	50	97419	20.105	ug/l	97
4) Vinyl Chloride	2.36	62	97767	19.842	ug/l	98
5) Bromomethane	2.77	94	60437	20.287	ug/l	100
6) Chloroethane	2.92	64	60058	19.969	ug/l	93
7) Trichlorofluoromethane	3.27	101	151820	21.522	ug/l	96
8) Diethyl Ether	3.71	74	44810	21.044	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97147	21.807	ug/l	99
10) Methyl Iodide	4.29	142	93854	20.291	ug/l	99
11) Tert butyl alcohol	5.24	59	23835m	97.687	ug/l	
12) 1,1-Dichloroethene	4.06	96	89868	21.356	ug/l	93
13) Acrolein	3.92	56	31246	85.270	ug/l	98
14) Allyl chloride	4.71	41	145409	21.278	ug/l	98
15) Acrylonitrile	5.43	53	97672	103.605	ug/l	100
16) Acetone	4.16	43	93390	93.565	ug/l	93
17) Carbon Disulfide	4.40	76	283500	20.094	ug/l	99
18) Methyl Acetate	4.73	43	51136	22.779	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	180256	20.541	ug/l	92
20) Methylene Chloride	4.96	84	111827	22.645	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	105869	22.130	ug/l	92
22) Diisopropyl ether	6.36	45	287942	21.857	ug/l	98
23) Vinyl Acetate	6.31	43	729858	100.494	ug/l	99
24) 1,1-Dichloroethane	6.27	63	178132	21.800	ug/l	96
25) 2-Butanone	7.22	43	123316	97.649	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154304	21.765	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110144	21.736	ug/l	99
28) Bromochloromethane	7.54	49	58024	19.140	ug/l	99
29) Tetrahydrofuran	7.57	42	74959	101.305	ug/l	99
30) Chloroform	7.71	83	180210	21.891	ug/l	99
31) Cyclohexane	7.98	56	165710	20.640	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164992	22.401	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141508	21.972	ug/l	99
37) Ethyl Acetate	7.30	43	56738	21.073	ug/l #	79
38) Carbon Tetrachloride	8.10	117	145594	22.207	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166698	22.016	ug/l	100
40) Benzene	8.36	78	406303	22.350	ug/l	99
41) Methacrylonitrile	7.53	41	31350	20.166	ug/l	95
42) 1,2-Dichloroethane	8.43	62	104911	20.992	ug/l	98
43) Isopropyl Acetate	8.46	43	98295	20.076	ug/l	99
44) Trichloroethene	9.11	130	113580	22.540	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101933	22.550	ug/l	97
46) Dibromomethane	9.48	93	51386	22.094	ug/l	99
47) Bromodichloromethane	9.67	83	135626	22.127	ug/l	98
48) Methyl methacrylate	9.46	41	46208	20.418	ug/l	96
49) 1,4-Dioxane	9.46	88	11959	438.410	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	258649	104.009	ug/l	100
52) Toluene	10.41	92	265343	23.581	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	123655	21.765	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	153155	22.324	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72486	22.143	ug/l	97
56) Ethyl methacrylate	10.67	69	78855	20.870	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125515	22.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113202	95.029	ug/l	98
59) 2-Hexanone	10.99	43	178880	100.486	ug/l	98
60) Dibromochloromethane	11.14	129	94154	22.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69811	22.524	ug/l	99
64) Tetrachloroethene	10.88	164	99470	22.759	ug/l	97
65) Chlorobenzene	11.68	112	274435	22.192	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102945	22.308	ug/l	99
67) Ethyl Benzene	11.75	91	476040	21.980	ug/l	99
68) m/p-Xylenes	11.86	106	378362	45.661	ug/l	100
69) o-Xylene	12.19	106	164547	22.414	ug/l	100
70) Styrene	12.20	104	289324	22.198	ug/l	98
71) Bromoform	12.37	173	55890	21.826	ug/l #	96
73) Isopropylbenzene	12.49	105	458764	22.685	ug/l	100
74) N-amyl acetate	12.30	43	89550	19.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76080	20.845	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	54386m	20.926	ug/l	
77) Bromobenzene	12.77	156	111023	22.108	ug/l	98
78) n-propylbenzene	12.83	91	557227	22.928	ug/l	99
79) 2-Chlorotoluene	12.91	91	301997	22.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379732	22.798	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22980	19.091	ug/l	99
82) 4-Chlorotoluene	13.01	91	328620	22.736	ug/l	100
83) tert-Butylbenzene	13.23	119	320588	22.964	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	375111	22.500	ug/l	98
85) sec-Butylbenzene	13.41	105	450477	22.394	ug/l	99
86) p-Isopropyltoluene	13.53	119	415832	22.605	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	216635	22.314	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	214388	22.375	ug/l	99
89) n-Butylbenzene	13.86	91	385096	22.717	ug/l	99
90) Hexachloroethane	14.13	117	81531	21.827	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	183065	21.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11730	20.855	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120106	22.027	ug/l	96
94) Hexachlorobutadiene	15.28	225	79151	22.629	ug/l	99
95) Naphthalene	15.41	128	183389	20.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105766	22.210	ug/l	99

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

