

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064148.D
 Acq On : 01 Nov 2019 13:00
 Operator : VA/SY
 Sample : VD1101SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 11:50:57 AM

Quant Time: Nov 01 18:18:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	83869	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	7.91	113	96618	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.34	98	387411	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.64	95	123995	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42672	20.051	ug/l	94
3) Chloromethane	2.21	50	71173	20.044	ug/l	100
4) Vinyl Chloride	2.35	62	81606	21.193	ug/l	97
5) Bromomethane	2.76	94	49453	19.707	ug/l	97
6) Chloroethane	2.92	64	48691	20.359	ug/l	99
7) Trichlorofluoromethane	3.27	101	108034	20.381	ug/l	90
8) Diethyl Ether	3.70	74	18087	19.630	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.08	101	36662	19.192	ug/l	98
10) Methyl Iodide	4.29	142	44353	18.741	ug/l #	95
11) Tert butyl alcohol	5.26	59	8378m	91.857	ug/l	
12) 1,1-Dichloroethene	4.06	96	38242	21.153	ug/l #	87
13) Acrolein	3.92	56	8274	78.287	ug/l	88
14) Allyl chloride	4.71	41	41856	19.780	ug/l	99
15) Acrylonitrile	5.42	53	31854	93.594	ug/l	98
16) Acetone	4.17	43	27219	86.306	ug/l	99
17) Carbon Disulfide	4.40	76	118513	21.332	ug/l #	88
18) Methyl Acetate	4.71	43	16416	19.568	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	66945	18.248	ug/l #	90
20) Methylene Chloride	4.96	84	51748	23.526	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	42811	21.095	ug/l #	81
22) Diisopropyl ether	6.37	45	91146	19.449	ug/l	96
23) Vinyl Acetate	6.31	43	253175	98.558	ug/l	95
24) 1,1-Dichloroethane	6.26	63	64617	20.419	ug/l	99
25) 2-Butanone	7.22	43	39328	90.202	ug/l	99
26) 2,2-Dichloropropane	7.21	77	57467	19.133	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	44770	19.715	ug/l	99
28) Bromochloromethane	7.54	49	18345	16.453	ug/l	93
29) Tetrahydrofuran	7.57	42	22660	89.052	ug/l	93
30) Chloroform	7.71	83	74273	20.511	ug/l	94
31) Cyclohexane	7.98	56	58089	18.841	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	67628	20.063	ug/l	99
36) 1,1-Dichloropropene	8.11	75	57536	19.284	ug/l	98
37) Ethyl Acetate	7.30	43	17129	18.652	ug/l #	94
38) Carbon Tetrachloride	8.10	117	61345	18.845	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68400	18.676	ug/l	91
40) Benzene	8.35	78	155815	19.151	ug/l	100
41) Methacrylonitrile	7.54	41	10170	19.190	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	41751	19.427	ug/l	99
43) Isopropyl Acetate	8.46	43	33116	17.843	ug/l	97
44) Trichloroethene	9.11	130	49402	20.034	ug/l	100
45) 1,2-Dichloropropane	9.39	63	36039	19.113	ug/l #	86
46) Dibromomethane	9.48	93	21643	19.059	ug/l	97
47) Bromodichloromethane	9.66	83	53428	18.650	ug/l #	93
48) Methyl methacrylate	9.46	41	15515	18.078	ug/l	93
49) 1,4-Dioxane	9.47	88	5141	395.500	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	85296	84.421	ug/l	98
52) Toluene	10.40	92	108275	18.990	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	50379	18.839	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	56729	18.031	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	29393	18.256	ug/l	95
56) Ethyl methacrylate	10.66	69	30142	17.492	ug/l	96
57) 1,3-Dichloropropane	10.95	76	49912	18.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	63581	90.139	ug/l	97
59) 2-Hexanone	10.99	43	59316	81.206	ug/l	99
60) Dibromochloromethane	11.14	129	42631	19.508	ug/l	98
61) 1,2-Dibromoethane	11.25	107	28816	17.895	ug/l	94
64) Tetrachloroethene	10.88	164	45034	20.743	ug/l	90
65) Chlorobenzene	11.67	112	125775	20.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	45486	19.468	ug/l	98
67) Ethyl Benzene	11.75	91	215165	19.374	ug/l	94
68) m/p-Xylenes	11.86	106	173899	38.928	ug/l	98
69) o-Xylene	12.18	106	79264	19.442	ug/l	98
70) Styrene	12.20	104	132990	18.914	ug/l	96
71) Bromoform	12.36	173	23423	18.771	ug/l #	98
73) Isopropylbenzene	12.48	105	211905	18.721	ug/l	99
74) N-amyl acetate	12.30	43	32660	17.368	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	33311	18.671	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18586m	16.981	ug/l	
77) Bromobenzene	12.76	156	53212	19.471	ug/l	99
78) n-propylbenzene	12.83	91	255575	19.267	ug/l	97
79) 2-Chlorotoluene	12.91	91	136284	19.167	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	181564	19.166	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	10076	18.801	ug/l	98
82) 4-Chlorotoluene	13.01	91	146339	19.261	ug/l	97
83) tert-Butylbenzene	13.23	119	160273	18.837	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	182824	19.212	ug/l	98
85) sec-Butylbenzene	13.41	105	224012	19.172	ug/l	100
86) p-Isopropyltoluene	13.52	119	212116	19.321	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	107445	19.619	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	107265	19.868	ug/l	99
89) n-Butylbenzene	13.85	91	188283	18.594	ug/l	97
90) Hexachloroethane	14.12	117	39827	19.376	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	91282	19.367	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4808	18.452	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	67223	19.842	ug/l	100
94) Hexachlorobutadiene	15.28	225	37851	19.116	ug/l	97
95) Naphthalene	15.41	128	100153	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	57529	19.604	ug/l	95

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

