

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064324.D
 Acq On : 21 Nov 2019 15:01
 Operator : VA/SY
 Sample : VD1121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:36 AM

Quant Time: Nov 22 01:18:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	617630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	886210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	753020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	245344	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	7.92	113	251452	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.34	98	933756	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.64	95	317228	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93402	18.234	ug/l	97
3) Chloromethane	2.21	50	117124	21.317	ug/l	99
4) Vinyl Chloride	2.35	62	135211	23.012	ug/l	97
5) Bromomethane	2.76	94	92482	24.926	ug/l	97
6) Chloroethane	2.92	64	93880	25.005	ug/l	99
7) Trichlorofluoromethane	3.27	101	238172	25.002	ug/l	93
8) Diethyl Ether	3.71	74	52204	19.930	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	111210	20.425	ug/l	99
10) Methyl Iodide	4.30	142	109978	19.007	ug/l	99
11) Tert butyl alcohol	5.26	59	34906m	98.385	ug/l	
12) 1,1-Dichloroethene	4.06	96	105390	20.307	ug/l	97
13) Acrolein	3.92	56	21592	71.939	ug/l	96
14) Allyl chloride	4.71	41	170361	18.566	ug/l	94
15) Acrylonitrile	5.43	53	120308	107.741	ug/l	98
16) Acetone	4.17	43	92542	76.902	ug/l	93
17) Carbon Disulfide	4.40	76	295822	18.303	ug/l	99
18) Methyl Acetate	4.73	43	70372	20.938	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	251593	20.307	ug/l	94
20) Methylene Chloride	4.96	84	123539	20.324	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	117366	19.961	ug/l	96
22) Diisopropyl ether	6.37	45	331941	19.497	ug/l	96
23) Vinyl Acetate	6.31	43	953372	100.456	ug/l	100
24) 1,1-Dichloroethane	6.27	63	198278	20.058	ug/l	98
25) 2-Butanone	7.23	43	151438	97.407	ug/l	100
26) 2,2-Dichloropropane	7.21	77	182544	18.830	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	129144	20.481	ug/l	95
28) Bromochloromethane	7.55	49	56413	16.391	ug/l	98
29) Tetrahydrofuran	7.57	42	95586	102.331	ug/l	99
30) Chloroform	7.71	83	214988	21.261	ug/l	100
31) Cyclohexane	7.98	56	189210	18.978	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	194838	20.123	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159472	19.498	ug/l	98
37) Ethyl Acetate	7.30	43	68277	19.802	ug/l	97
38) Carbon Tetrachloride	8.10	117	169245	19.339	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	197541	19.087	ug/l	95
40) Benzene	8.35	78	441792	19.764	ug/l	100
41) Methacrylonitrile	7.53	41	43414	20.033	ug/l	93
42) 1,2-Dichloroethane	8.43	62	130303	19.409	ug/l	99
43) Isopropyl Acetate	8.46	43	138234	19.458	ug/l	100
44) Trichloroethene	9.11	130	136557	20.355	ug/l	99
45) 1,2-Dichloropropane	9.39	63	107543	19.766	ug/l	93
46) Dibromomethane	9.48	93	58155	19.966	ug/l	97
47) Bromodichloromethane	9.67	83	155967	19.879	ug/l	94
48) Methyl methacrylate	9.46	41	64947	18.696	ug/l	96
49) 1,4-Dioxane	9.47	88	15179	433.912	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	336474	98.763	ug/l	100
52) Toluene	10.40	92	289534	19.698	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	147848	18.810	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	176667	19.261	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	81201	20.550	ug/l	96
56) Ethyl methacrylate	10.67	69	106835	19.328	ug/l	96
57) 1,3-Dichloropropane	10.95	76	141556	20.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	224669	100.343	ug/l	99
59) 2-Hexanone	10.99	43	226177	93.315	ug/l	98
60) Dibromochloromethane	11.14	129	109052	19.779	ug/l	100
61) 1,2-Dibromoethane	11.25	107	81024	20.473	ug/l	99
64) Tetrachloroethene	10.88	164	116028	20.034	ug/l	95
65) Chlorobenzene	11.67	112	311431	20.338	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	119813	20.577	ug/l	98
67) Ethyl Benzene	11.75	91	562200	20.297	ug/l	95
68) m/p-Xylenes	11.86	106	422482	39.794	ug/l	99
69) o-Xylene	12.18	106	197700	20.078	ug/l	98
70) Styrene	12.20	104	337973	19.664	ug/l	98
71) Bromoform	12.37	173	63628	19.202	ug/l #	95
73) Isopropylbenzene	12.48	105	545309	19.823	ug/l	99
74) N-amyl acetate	12.30	43	123975	19.085	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	86234	20.804	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	58081m	19.240	ug/l	
77) Bromobenzene	12.77	156	133986	20.049	ug/l	98
78) n-propylbenzene	12.83	91	627134	19.954	ug/l	99
79) 2-Chlorotoluene	12.91	91	342196	19.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	443582	19.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	27924	18.375	ug/l	99
82) 4-Chlorotoluene	13.01	91	358226	19.356	ug/l	99
83) tert-Butylbenzene	13.23	119	386769	19.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	448362	20.092	ug/l	98
85) sec-Butylbenzene	13.41	105	528369	19.737	ug/l	99
86) p-Isopropyltoluene	13.53	119	495062	19.452	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	247501	19.951	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	245038	20.238	ug/l	98
89) n-Butylbenzene	13.86	91	451526	19.638	ug/l	99
90) Hexachloroethane	14.12	117	89370	19.001	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	213310	20.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14591	19.688	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	165645	20.450	ug/l	99
94) Hexachlorobutadiene	15.28	225	107814	20.607	ug/l	99
95) Naphthalene	15.41	128	276375	20.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	138839	20.165	ug/l	99

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

