

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064019.D
 Acq On : 23 Oct 2019 14:26
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:20 PM

Quant Time: Oct 24 06:37:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	163881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	248431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	79940	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.92	113	85777	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
50) Toluene-d8	10.34	98	341708	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.64	95	114880	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20956	18.031	ug/l #	70
3) Chloromethane	2.21	50	71120	20.028	ug/l	94
4) Vinyl Chloride	2.35	62	87837	23.384	ug/l	98
5) Bromomethane	2.76	94	53988	22.356	ug/l	98
6) Chloroethane	2.91	64	55457	22.324	ug/l	96
7) Trichlorofluoromethane	3.27	101	119791	24.121	ug/l	98
8) Diethyl Ether	3.70	74	17352	21.768	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	29408	21.392	ug/l	98
10) Methyl Iodide	4.29	142	31975	16.880	ug/l	100
11) Tert butyl alcohol	5.24	59	8956	75.191	ug/l #	71
12) 1,1-Dichloroethene	4.05	96	27712	20.177	ug/l #	78
13) Acrolein	3.91	56	11823	82.968	ug/l #	17
14) Allyl chloride	4.71	41	46582	20.400	ug/l	98
15) Acrylonitrile	5.43	53	38005	108.140	ug/l	99
16) Acetone	4.17	43	40335	97.100	ug/l	97
17) Carbon Disulfide	4.40	76	87780	17.582	ug/l	99
18) Methyl Acetate	4.71	43	18526	22.802	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	67390	18.948	ug/l #	87
20) Methylene Chloride	4.96	84	39072	19.353	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	35179	20.575	ug/l #	84
22) Diisopropyl ether	6.37	45	97585	20.925	ug/l #	91
23) Vinyl Acetate	6.31	43	286367	103.222	ug/l	97
24) 1,1-Dichloroethane	6.27	63	59497	20.712	ug/l	96
25) 2-Butanone	7.23	43	48918	99.368	ug/l	97
26) 2,2-Dichloropropane	7.21	77	52557	20.226	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	40772	21.068	ug/l	98
28) Bromochloromethane	7.55	49	20428	19.872	ug/l	95
29) Tetrahydrofuran	7.57	42	29653	103.198	ug/l	96
30) Chloroform	7.71	83	65586	21.022	ug/l	90
31) Cyclohexane	7.98	56	59300	22.797	ug/l #	96
32) 1,1,1-Trichloroethane	7.91	97	61482	22.973	ug/l	97
36) 1,1-Dichloropropene	8.11	75	52256	22.579	ug/l	99
37) Ethyl Acetate	7.30	43	20094	19.195	ug/l #	90
38) Carbon Tetrachloride	8.10	117	51228	21.904	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64461	22.652	ug/l	87
40) Benzene	8.35	78	148634	22.410	ug/l	93
41) Methacrylonitrile	7.53	41	10213	19.033	ug/l	95
42) 1,2-Dichloroethane	8.43	62	40326	21.019	ug/l	98
43) Isopropyl Acetate	8.46	43	38903	20.044	ug/l	98
44) Trichloroethene	9.11	130	41990	21.955	ug/l	85
45) 1,2-Dichloropropane	9.39	63	35977	22.162	ug/l	97
46) Dibromomethane	9.48	93	20147	21.792	ug/l	98
47) Bromodichloromethane	9.67	83	51629	21.690	ug/l #	94
48) Methyl methacrylate	9.46	41	17916	19.265	ug/l	88
49) 1,4-Dioxane	9.47	88	4604	364.826	ug/l #	87
51) 4-Methyl-2-Pentanone	10.24	43	103712	103.031	ug/l	99
52) Toluene	10.40	92	98922	21.727	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	49526	21.322	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	58447	21.860	ug/l #	85
55) 1,1,2-Trichloroethane	10.81	97	30440	23.319	ug/l	92
56) Ethyl methacrylate	10.67	69	33883	20.497	ug/l	97
57) 1,3-Dichloropropane	10.95	76	48293	21.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	70573	99.320	ug/l	99
59) 2-Hexanone	10.99	43	75285	103.392	ug/l	100
60) Dibromochloromethane	11.14	129	36229	21.318	ug/l	97
61) 1,2-Dibromoethane	11.25	107	28823	22.775	ug/l	100
64) Tetrachloroethene	10.88	164	37367	22.033	ug/l	95
65) Chlorobenzene	11.67	112	112804	22.610	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	41250	22.438	ug/l	94
67) Ethyl Benzene	11.75	91	200902	22.331	ug/l	99
68) m/p-Xylenes	11.86	106	156336	45.022	ug/l	99
69) o-Xylene	12.18	106	73431	22.084	ug/l	99
70) Styrene	12.20	104	125097	22.225	ug/l	99
71) Bromoform	12.36	173	22061	22.360	ug/l #	99
73) Isopropylbenzene	12.48	105	202574	21.895	ug/l	99
74) N-amyl acetate	12.29	43	39388	19.773	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36305	22.550	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	23981m	26.016	ug/l	
77) Bromobenzene	12.76	156	49466	21.460	ug/l	96
78) n-propylbenzene	12.83	91	241257	22.215	ug/l	99
79) 2-Chlorotoluene	12.91	91	130101	21.726	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	169364	21.942	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10465	20.090	ug/l	97
82) 4-Chlorotoluene	13.01	91	135409	21.317	ug/l	98
83) tert-Butylbenzene	13.23	119	150630	21.927	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169713	21.327	ug/l	100
85) sec-Butylbenzene	13.41	105	210231	22.661	ug/l	99
86) p-Isopropyltoluene	13.52	119	192560	21.935	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	98445	21.614	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	100003	22.256	ug/l	97
89) n-Butylbenzene	13.85	91	182912	22.385	ug/l	99
90) Hexachloroethane	14.11	117	34175	21.645	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	87314	22.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5499	20.535	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59125	19.522	ug/l	95
94) Hexachlorobutadiene	15.27	225	35138	21.025	ug/l	96
95) Naphthalene	15.41	128	102624	20.160	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	55082	21.080	ug/l	98

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

