

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061277.D
 Acq On : 23 Mar 2019 13:39
 Operator : VA/AP
 Sample : VD0323SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 2:40:33 PM

Quant Time: Mar 25 07:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	616478	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1076471	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	900267	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	388379	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	251723	49.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	6.94	113	401581	50.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.43	98	908155	45.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	13.57	95	393295	50.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	122803	20.110	ug/l	98
3) Chloromethane	1.77	50	104176	20.479	ug/l	94
4) Vinyl Chloride	1.86	62	93251	19.838	ug/l	98
5) Bromomethane	2.16	94	17328	18.078	ug/l	89
6) Chloroethane	2.27	64	26562	18.879	ug/l #	88
7) Trichlorofluoromethane	2.54	101	149578	22.151	ug/l	97
8) Diethyl Ether	2.89	74	49918	22.409	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	171432	22.708	ug/l	99
10) Methyl Iodide	3.32	142	190129	20.148	ug/l	98
11) Tert butyl alcohol	4.09	59	38294	117.222	ug/l	99
12) 1,1-Dichloroethene	3.14	96	135142	21.839	ug/l	96
13) Acrolein	3.06	56	24391	51.602	ug/l	97
14) Allyl chloride	3.64	41	200854	20.286	ug/l	96
15) Acrylonitrile	4.22	53	125314	108.536	ug/l	96
16) Acetone	3.23	43	167122	113.891	ug/l	100
17) Carbon Disulfide	3.39	76	395008	18.923	ug/l	99
18) Methyl Acetate	3.66	43	58813	20.366	ug/l #	92
19) Methyl tert-butyl Ether	4.26	73	264616	24.400	ug/l	95
20) Methylene Chloride	3.83	84	161606	21.495	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	147638	22.043	ug/l	91
22) Diisopropyl ether	5.14	45	441074	21.460	ug/l	95
23) Vinyl Acetate	5.08	43	1202821	113.999	ug/l	99
24) 1,1-Dichloroethane	5.02	63	240329	21.341	ug/l	99
25) 2-Butanone	6.10	43	184947	111.074	ug/l	98
26) 2,2-Dichloropropane	6.05	77	195461	22.234	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	161426	22.716	ug/l	92
28) Bromochloromethane	6.46	49	91893	19.275	ug/l	100
29) Tetrahydrofuran	6.48	42	101307	112.048	ug/l	98
30) Chloroform	6.69	83	268633	23.016	ug/l	98
31) Cyclohexane	6.98	56	196217	21.609	ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	224601	22.259	ug/l	99
36) 1,1-Dichloropropene	7.17	75	200328	21.589	ug/l	97
37) Ethyl Acetate	6.21	43	88468	20.317	ug/l	95
38) Carbon Tetrachloride	7.13	117	279297m	27.325	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	204053	21.208	ug/l	95
40) Benzene	7.48	78	481420	20.763	ug/l	98
41) Methacrylonitrile	6.46	41	107406	21.445	ug/l #	95
42) 1,2-Dichloroethane	7.60	62	149665	22.243	ug/l	96
43) Isopropyl Acetate	9.26	43	125927	20.880	ug/l #	98
44) Trichloroethene	8.56	130	184674	23.087	ug/l	95
45) 1,2-Dichloropropane	8.96	63	133648	21.940	ug/l	98
46) Dibromomethane	9.08	93	84374	21.836	ug/l	96
47) Bromodichloromethane	9.40	83	193510	22.193	ug/l	96
48) Methyl methacrylate	9.14	41	74116	21.827	ug/l	96
49) 1,4-Dioxane	9.09	88	15779	459.550	ug/l	93
51) 4-Methyl-2-Pentanone	10.32	43	386629	104.645	ug/l	95
52) Toluene	10.53	92	315895	21.910	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	169052	21.203	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	215847	22.532	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	109595	22.825	ug/l	97
56) Ethyl methacrylate	11.06	69	115448	22.971	ug/l	99
57) 1,3-Dichloropropane	11.42	76	146317	20.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	269071	101.145	ug/l	100
59) 2-Hexanone	11.55	43	295688	109.407	ug/l	96
60) Dibromochloromethane	11.70	129	157000	22.218	ug/l	100
61) 1,2-Dibromoethane	11.82	107	120393	21.555	ug/l	98
64) Tetrachloroethene	11.28	164	126120	20.753	ug/l	99
65) Chlorobenzene	12.42	112	404356	22.911	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	134022	21.304	ug/l	95
67) Ethyl Benzene	12.54	91	550871	20.966	ug/l	99
68) m/p-Xylenes	12.68	106	412390	39.988	ug/l	98
69) o-Xylene	13.06	106	213866	21.097	ug/l	94
70) Styrene	13.09	104	346536	20.935	ug/l	97
71) Bromoform	13.24	173	90696	22.348	ug/l #	93
73) Isopropylbenzene	13.41	105	599998	21.436	ug/l	98
74) N-amyl acetate	13.27	43	155427	19.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	114002	20.876	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	119248	21.342	ug/l	100
77) Bromobenzene	13.68	156	162936	22.804	ug/l	83
78) n-propylbenzene	13.79	91	722738	22.057	ug/l	99
79) 2-Chlorotoluene	13.86	91	371123	20.572	ug/l	95
80) 1,3,5-Trimethylbenzene	14.25	105	447896	21.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	31197	18.938	ug/l	99
82) 4-Chlorotoluene	13.95	91	458215	21.486	ug/l	91
83) tert-Butylbenzene	14.20	119	566807	24.374	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	447896	21.079	ug/l	99
85) sec-Butylbenzene	14.38	105	599441	21.115	ug/l	95
86) p-Isopropyltoluene	14.51	119	492153	21.209	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	269547	21.127	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	282462	22.530	ug/l	97
89) n-Butylbenzene	14.81	91	500572	22.463	ug/l	98
90) Hexachloroethane	15.02	117	143738	21.936	ug/l	77
91) 1,2-Dichlorobenzene	14.82	146	254158	23.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12722	19.332	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	114569	23.220	ug/l	98
94) Hexachlorobutadiene	16.05	225	86879	23.279	ug/l	98
95) Naphthalene	16.14	128	185022	24.676	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	54306	22.284	ug/l	95

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

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