

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061992.D
 Acq On : 24 Apr 2019 12:32
 Operator : VA/AP
 Sample : VD0424SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:38 AM

Quant Time: Apr 25 09:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	618587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	971186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	713606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	393279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	252731	52.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	6.94	113	367349	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.42	98	827644	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	13.56	95	342220	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	90626	16.407	ug/l	97
3) Chloromethane	1.76	50	74641	15.899	ug/l	91
4) Vinyl Chloride	1.86	62	66385	15.602	ug/l	99
5) Bromomethane	2.15	94	19438	14.888	ug/l	93
6) Chloroethane	2.26	64	20996	13.651	ug/l	99
7) Trichlorofluoromethane	2.53	101	117756	18.303	ug/l	97
8) Diethyl Ether	2.88	74	34016	19.727	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.16	101	107399	18.122	ug/l	97
10) Methyl Iodide	3.31	142	124519	17.722	ug/l	100
11) Tert butyl alcohol	4.08	59	28296	103.443	ug/l	99
12) 1,1-Dichloroethene	3.14	96	87120	17.278	ug/l	97
13) Acrolein	3.04	56	28946	101.988	ug/l	92
14) Allyl chloride	3.63	41	130665	18.978	ug/l	97
15) Acrylonitrile	4.20	53	88447	104.420	ug/l	98
16) Acetone	3.22	43	108959	94.256	ug/l	92
17) Carbon Disulfide	3.38	76	252957	17.361	ug/l	98
18) Methyl Acetate	3.65	43	47466	21.404	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	191353	19.127	ug/l	97
20) Methylene Chloride	3.82	84	128433	20.970	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	109689	18.963	ug/l	96
22) Diisopropyl ether	5.13	45	311418	19.373	ug/l	98
23) Vinyl Acetate	5.07	43	866665	103.530	ug/l	97
24) 1,1-Dichloroethane	5.00	63	186066	19.151	ug/l	99
25) 2-Butanone	6.08	43	138422	98.764	ug/l	99
26) 2,2-Dichloropropane	6.03	77	154270	18.201	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	117457	17.850	ug/l	98
28) Bromochloromethane	6.44	49	78890	21.221	ug/l	88
29) Tetrahydrofuran	6.46	42	67244	97.374	ug/l	98
30) Chloroform	6.68	83	221811	20.100	ug/l	98
31) Cyclohexane	6.96	56	131329	18.211	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	183342	19.095	ug/l	98
36) 1,1-Dichloropropene	7.15	75	149310	19.733	ug/l	99
37) Ethyl Acetate	6.19	43	69676	21.609	ug/l #	97
38) Carbon Tetrachloride	7.12	117	190894m	19.909	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	141550	18.961	ug/l	97
40) Benzene	7.47	78	360198	19.229	ug/l	95
41) Methacrylonitrile	6.45	41	78274	20.806	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	126479	19.886	ug/l	99
43) Isopropyl Acetate	9.25	43	88799	18.848	ug/l	97
44) Trichloroethene	8.55	130	137775	18.971	ug/l	100
45) 1,2-Dichloropropane	8.95	63	90502	19.044	ug/l	96
46) Dibromomethane	9.07	93	68501	20.033	ug/l	91
47) Bromodichloromethane	9.39	83	150990	18.688	ug/l	94
48) Methyl methacrylate	9.13	41	53739	19.992	ug/l	96
49) 1,4-Dioxane	9.09	88	12810	442.023	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	292266	101.438	ug/l	97
52) Toluene	10.52	92	223325	18.698	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	137823	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	163566	19.830	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	78807	19.653	ug/l	98
56) Ethyl methacrylate	11.05	69	92032	20.723	ug/l	96
57) 1,3-Dichloropropane	11.41	76	113081	18.259	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	240766	116.606	ug/l	96
59) 2-Hexanone	11.54	43	223690	103.496	ug/l	96
60) Dibromochloromethane	11.69	129	127426	19.206	ug/l	96
61) 1,2-Dibromoethane	11.81	107	94617	19.891	ug/l	94
64) Tetrachloroethene	11.27	164	107527	21.123	ug/l	96
65) Chlorobenzene	12.41	112	260967	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	127624	22.312	ug/l	97
67) Ethyl Benzene	12.53	91	492856	22.393	ug/l	99
68) m/p-Xylenes	12.67	106	342446	43.049	ug/l	100
69) o-Xylene	13.06	106	165424	22.728	ug/l	97
70) Styrene	13.08	104	282510	22.479	ug/l	98
71) Bromoform	13.24	173	74110	22.726	ug/l	99
73) Isopropylbenzene	13.41	105	433687	16.531	ug/l	98
74) N-amyl acetate	13.28	43	119852	17.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	87903	17.099	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	90321	18.086	ug/l	99
77) Bromobenzene	13.68	156	128974	17.138	ug/l	95
78) n-propylbenzene	13.78	91	520389	17.328	ug/l	99
79) 2-Chlorotoluene	13.85	91	308004	16.932	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	397570	19.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	24011	15.866	ug/l	89
82) 4-Chlorotoluene	13.95	91	368120	18.375	ug/l	98
83) tert-Butylbenzene	14.19	119	447352	18.461	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	389125	19.482	ug/l	97
85) sec-Butylbenzene	14.37	105	500161	19.102	ug/l	98
86) p-Isopropyltoluene	14.50	119	424138	18.099	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	234303	17.778	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	228579	18.546	ug/l	94
89) n-Butylbenzene	14.80	91	390287	18.551	ug/l	96
90) Hexachloroethane	15.01	117	109083	17.215	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	204356	18.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12969	18.811	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	113150	19.290	ug/l	92
94) Hexachlorobutadiene	16.04	225	84226	19.403	ug/l	98
95) Naphthalene	16.13	128	181780	19.194	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	71644	21.527	ug/l	94

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

