

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058223.D
 Acq On : 20 Jun 2018 21:29
 Operator : VA/AP
 Sample : J3523-03MSD
 Misc : 3.43g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MSD

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:30:35 AM

Quant Time: Jun 21 05:03:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	398221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	524724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	251772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	61548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	216483	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.71	98	500000	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.94	95	104009	24.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	305278	84.90	ug/l	99
3) Chloromethane	1.48	50	142114	84.81	ug/l	95
4) Vinyl Chloride	1.54	62	134813	64.62	ug/l	97
5) Bromomethane	1.79	94	23862	31.74	ug/l	91
6) Chloroethane	1.87	64	60236	90.86	ug/l	98
7) Trichlorofluoromethane	2.07	101	228262	79.80	ug/l	92
8) Diethyl Ether	2.34	74	61634	101.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	128533	70.69	ug/l	97
10) Methyl Iodide	2.68	142	45400	21.95	ug/l #	95
11) Tert butyl alcohol	3.26	59	75933	572.37	ug/l	97
12) 1,1-Dichloroethene	2.54	96	157080	114.81	ug/l	96
13) Acrolein	2.34	56	287	3.79	ug/l	88
14) Allyl chloride	2.91	41	73799	23.18	ug/l #	92
15) Acrylonitrile	3.35	53	120071	341.34	ug/l	96
16) Acetone	2.61	43	390053	709.08	ug/l	94
17) Carbon Disulfide	2.74	76	115589	24.83	ug/l	98
18) Methyl Acetate	3.07	43	73563	62.71	ug/l #	65
19) Methyl tert-butyl Ether	3.40	73	393828	108.53	ug/l	93
20) Methylene Chloride	3.07	84	111011	80.18	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	50702	33.91	ug/l	97
22) Diisopropyl ether	4.07	45	1249541	98.80	ug/l #	78
23) Vinyl Acetate	4.06	43	535204	78.95	ug/l #	82
24) 1,1-Dichloroethane	3.96	63	542626	79.64	ug/l	99
25) 2-Butanone	4.84	43	738037	615.58	ug/l	97
26) 2,2-Dichloropropane	4.79	77	227780	39.93	ug/l	96
27) cis-1,2-Dichloroethene	4.80	96	183525	49.12	ug/l	92
28) Bromochloromethane	5.14	49	184528	60.42	ug/l #	99
29) Tetrahydrofuran	5.18	42	346878	543.56	ug/l	98
30) Chloroform	5.32	83	513579	71.40	ug/l	97
31) Cyclohexane	5.59	56	336774	70.19	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	404787	68.11	ug/l #	78
36) 1,1-Dichloropropene	5.75	75	246328	47.45	ug/l	98
37) Ethyl Acetate	4.84	43	735070	248.54	ug/l #	83
38) Carbon Tetrachloride	5.73	117	288073	55.85	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	487592	96.44	ug/l	93
40) Benzene	6.01	78	921791	74.55	ug/l	98
41) Methacrylonitrile	5.13	41	137683	96.41	ug/l	92
42) 1,2-Dichloroethane	6.13	62	323274	64.84	ug/l	100
43) Isopropyl Acetate	7.65	43	90348	22.91	ug/l #	48
44) Trichloroethene	6.98	130	305284	82.22	ug/l	100
45) 1,2-Dichloropropane	7.35	63	238661	71.67	ug/l	100
46) Dibromomethane	7.47	93	113224	49.81	ug/l	94
47) Bromodichloromethane	7.74	83	217053	41.87	ug/l	100
48) Methyl methacrylate	7.55	41	20346	8.49	ug/l #	75
49) 1,4-Dioxane	7.49	88	47011	2173.17	ug/l #	45
51) 4-Methyl-2-Pentanone	8.60	43	1297980	504.67	ug/l	98
52) Toluene	8.81	92	774869	110.05	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	78221	17.35	ug/l #	74
54) cis-1,3-Dichloropropene	8.36	75	102387	19.38	ug/l #	64
55) 1,1,2-Trichloroethane	9.46	97	36696	14.73	ug/l #	1
56) Ethyl methacrylate	9.38	69	276321	92.75	ug/l #	1
57) 1,3-Dichloropropane	9.67	76	256097	61.03	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	504540	342.09	ug/l	93
59) 2-Hexanone	9.79	43	831124	447.22	ug/l	95
60) Dibromochloromethane	9.97	129	120317	35.59	ug/l	95
61) 1,2-Dibromoethane	10.11	107	116694	42.80	ug/l	99
64) Tetrachloroethene	9.52	164	218033	102.92	ug/l	96
65) Chlorobenzene	10.73	112	268529	57.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	101384	55.78	ug/l	94
67) Ethyl Benzene	10.86	91	5407148	650.34	ug/l	98
68) m/p-Xylenes	11.03	106	5612089	2024.07	ug/l	98
69) o-Xylene	11.42	106	2175777	821.61	ug/l	89
70) Styrene	11.44	104	303169	67.09	ug/l #	77
71) Bromoform	11.60	173	89983	62.07	ug/l #	96
73) Isopropylbenzene	11.78	105	590628	160.43	ug/l	97
74) N-amyl acetate	11.60	43	365868	257.03	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.10	83	119805	139.84	ug/l #	43
76) 1,2,3-Trichloropropane	12.11	75	112686	125.40	ug/l	90
77) Bromobenzene	12.05	156	93931	85.21	ug/l	90
78) n-propylbenzene	12.15	91	820497	172.58	ug/l	97
79) 2-Chlorotoluene	12.22	91	443161	162.89	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1107562	385.72	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	2885	13.16	ug/l #	1
82) 4-Chlorotoluene	12.33	91	303578	122.37	ug/l	83
83) tert-Butylbenzene	12.58	119	186973	56.64	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	2043086	654.57	ug/l	97
85) sec-Butylbenzene	12.76	105	404988	104.66	ug/l	94
86) p-Isopropyltoluene	12.89	119	320871	102.33	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	101631m	53.04	ug/l	
88) 1,4-Dichlorobenzene	12.93	146	92645	49.51	ug/l	89
89) n-Butylbenzene	13.20	91	253325m	76.87	ug/l	
90) Hexachloroethane	13.40	117	95948	117.89	ug/l #	39
91) 1,2-Dichlorobenzene	13.20	146	95962	58.85	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.78	75	13479	98.86	ug/l #	44

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39865	25.56	ug/l #	89
94) Hexachlorobutadiene	14.44	225	21974	18.01	ug/l	90
95) Naphthalene	14.52	128	455282	221.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	35803	26.22	ug/l #	82

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

