

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059827.D
 Acq On : 20 Aug 2018 12:59
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:27 AM

Quant Time: Aug 21 04:27:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	947413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1379025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1147488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	530064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	151693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
35) Dibromofluoromethane	5.50	113	204978	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
50) Toluene-d8	8.66	98	557579	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	11.90	95	222269	20.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	145399	17.87	ug/l	99
3) Chloromethane	1.46	50	124566	18.46	ug/l	97
4) Vinyl Chloride	1.54	62	100748	18.42	ug/l	100
5) Bromomethane	1.76	94	8229	11.16	ug/l	87
6) Chloroethane	1.84	64	18834	13.76	ug/l	95
7) Trichlorofluoromethane	2.05	101	101261	17.73	ug/l	98
8) Diethyl Ether	2.31	74	23743	18.89	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	67247	18.80	ug/l	95
10) Methyl Iodide	2.66	142	65356	17.67	ug/l	96
11) Tert butyl alcohol	3.23	59	26668	93.51	ug/l	94
12) 1,1-Dichloroethene	2.51	96	50701	18.12	ug/l	96
13) Acrolein	2.44	56	21481	79.92	ug/l	87
14) Allyl chloride	2.88	41	140632	18.96	ug/l	98
15) Acrylonitrile	3.32	53	122726	95.29	ug/l	98
16) Acetone	2.58	43	113659	88.30	ug/l	99
17) Carbon Disulfide	2.72	76	152245	16.26	ug/l	99
18) Methyl Acetate	2.89	43	51379	18.29	ug/l	94
19) Methyl tert-butyl Ether	3.37	73	325181	19.82	ug/l	96
20) Methylene Chloride	3.03	84	70469	16.15	ug/l	93
21) trans-1,2-Dichloroethene	3.35	96	138918	17.76	ug/l	97
22) Diisopropyl ether	4.02	45	760181	19.91	ug/l	99
23) Vinyl Acetate	3.97	43	2115225	102.60	ug/l	98
24) 1,1-Dichloroethane	3.92	63	321679	19.28	ug/l	100
25) 2-Butanone	4.78	43	350521	90.69	ug/l	100
26) 2,2-Dichloropropane	4.74	77	252371	19.06	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	199959	19.86	ug/l	99
28) Bromochloromethane	5.10	49	170260	19.90	ug/l	100
29) Tetrahydrofuran	5.14	42	188391	97.18	ug/l	99
30) Chloroform	5.28	83	318260	19.36	ug/l	99
31) Cyclohexane	5.54	56	267079	17.51	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	269093	19.39	ug/l	99
36) 1,1-Dichloropropene	5.70	75	222219	18.73	ug/l	98
37) Ethyl Acetate	4.88	43	165093	19.12	ug/l	98
38) Carbon Tetrachloride	5.68	117	221222	18.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	222416	17.64	ug/l	98
40) Benzene	5.96	78	593579	19.38	ug/l	100
41) Methacrylonitrile	5.08	41	94249	21.20	ug/l	98
42) 1,2-Dichloroethane	6.08	62	191119	19.43	ug/l	99
43) Isopropyl Acetate	7.57	43	234130	19.77	ug/l #	97
44) Trichloroethene	6.94	130	169346	18.76	ug/l	98
45) 1,2-Dichloropropane	7.30	63	173967	19.60	ug/l	98
46) Dibromomethane	7.41	93	105879	19.19	ug/l	99
47) Bromodichloromethane	7.70	83	240590	19.65	ug/l	98
48) Methyl methacrylate	7.46	41	123363	18.62	ug/l	97
49) 1,4-Dioxane	7.45	88	21044	381.37	ug/l #	82
51) 4-Methyl-2-Pentanone	8.55	43	757166	92.95	ug/l	98
52) Toluene	8.76	92	378664	19.49	ug/l	97
53) t-1,3-Dichloropropene	9.14	75	216044	19.38	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	259014	19.35	ug/l	97
55) 1,1,2-Trichloroethane	9.41	97	137039	19.81	ug/l	99
56) Ethyl methacrylate	9.27	69	157906	19.87	ug/l	96
57) 1,3-Dichloropropane	9.63	76	199630	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.15	63	446415	109.35	ug/l	98
59) 2-Hexanone	9.74	43	549731	91.63	ug/l	99
60) Dibromochloromethane	9.92	129	175039	19.69	ug/l	100
61) 1,2-Dibromoethane	10.05	107	143242	19.47	ug/l	96
64) Tetrachloroethene	9.47	164	155021	18.40	ug/l	98
65) Chlorobenzene	10.69	112	426633	19.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	155052	20.11	ug/l	97
67) Ethyl Benzene	10.83	91	738401	20.17	ug/l	97
68) m/p-Xylenes	10.98	106	545093	40.64	ug/l	98
69) o-Xylene	11.38	106	266480	20.34	ug/l	94
70) Styrene	11.40	104	454378	20.01	ug/l	99
71) Bromoform	11.57	173	131824	19.56	ug/l	99
73) Isopropylbenzene	11.74	105	729884	20.19	ug/l	98
74) N-amyl acetate	11.61	43	311523	19.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.05	83	157466	18.94	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	170258	19.66	ug/l	99
77) Bromobenzene	12.02	156	192166	19.14	ug/l	86
78) n-propylbenzene	12.13	91	909217	20.02	ug/l	97
79) 2-Chlorotoluene	12.18	91	515619	19.88	ug/l	93
80) 1,3,5-Trimethylbenzene	12.29	105	579452	21.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.81	75	51183	19.10	ug/l	99
82) 4-Chlorotoluene	12.30	91	573552	21.27	ug/l	91
83) tert-Butylbenzene	12.55	119	574890m	18.04	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	604075	20.13	ug/l	97
85) sec-Butylbenzene	12.74	105	777246	20.33	ug/l	97
86) p-Isopropyltoluene	12.86	119	613309	20.43	ug/l	96
87) 1,3-Dichlorobenzene	12.81	146	346019	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	345065	20.26	ug/l	99
89) n-Butylbenzene	13.17	91	640631	21.28	ug/l	98
90) Hexachloroethane	13.37	117	168465	19.87	ug/l	83
91) 1,2-Dichlorobenzene	13.17	146	299473	21.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	22550	18.31	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	243905	19.83	ug/l	97
94) Hexachlorobutadiene	14.41	225	161457	19.76	ug/l	98
95) Naphthalene	14.49	128	371324	18.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	208366	19.52	ug/l	98

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

