

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060489.D
 Acq On : 5 Dec 2018 13:00
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:48:53 AM

Quant Time: Dec 06 00:51:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1591909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2226747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1768112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	859541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	61680	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	6.34	113	91895	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	
50) Toluene-d8	9.46	98	266696	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
62) 4-Bromofluorobenzene	12.43	95	98252	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	117077	7.970	ug/l	100
3) Chloromethane	1.78	50	98171	6.436	ug/l	95
4) Vinyl Chloride	1.88	62	73012	5.874	ug/l	95
5) Bromomethane	2.17	94	24333	8.132	ug/l	95
6) Chloroethane	2.28	64	25155	6.158	ug/l	96
7) Trichlorofluoromethane	2.54	101	84753	5.774	ug/l	96
8) Diethyl Ether	2.84	74	13897	5.268	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	56886	5.971	ug/l	95
10) Methyl Iodide	3.26	142	56506	4.596	ug/l	99
11) Tert butyl alcohol	3.99	59	11320m	24.305	ug/l	
12) 1,1-Dichloroethene	3.10	96	44443	5.730	ug/l	96
13) Acrolein	3.01	56	13200	24.262	ug/l	97
14) Allyl chloride	3.56	41	81080	5.443	ug/l	98
15) Acrylonitrile	4.10	53	68136	25.070	ug/l	91
16) Acetone	3.19	43	51967	26.400	ug/l	94
17) Carbon Disulfide	3.33	76	139563	5.541	ug/l	99
18) Methyl Acetate	3.57	43	24679	5.788	ug/l #	92
19) Methyl tert-butyl Ether	4.14	73	108269	4.678	ug/l	95
20) Methylene Chloride	3.75	84	142695	8.069	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	90903	5.252	ug/l	94
22) Diisopropyl ether	4.87	45	279490	5.047	ug/l	98
23) Vinyl Acetate	4.82	43	675808	24.435	ug/l	99
24) 1,1-Dichloroethane	4.77	63	147130	5.163	ug/l	98
25) 2-Butanone	5.64	43	90952	22.477	ug/l	100
26) 2,2-Dichloropropane	5.61	77	118482	5.374	ug/l	95
27) cis-1,2-Dichloroethene	5.61	96	91314	5.087	ug/l	95
28) Bromochloromethane	5.94	49	69985	5.566	ug/l	98
29) Tetrahydrofuran	5.97	42	52994	24.568	ug/l	96
30) Chloroform	6.12	83	151744	5.325	ug/l	98
31) Cyclohexane	6.38	56	176531	6.506	ug/l	95
32) 1,1,1-Trichloroethane	6.31	97	119317	4.986	ug/l	98
36) 1,1-Dichloropropene	6.53	75	124286	5.646	ug/l	97
37) Ethyl Acetate	5.71	43	48100	4.771	ug/l	98
38) Carbon Tetrachloride	6.51	117	106983	5.268	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	137290	5.438	ug/l	97
40) Benzene	6.81	78	295089	5.268	ug/l	98
41) Methacrylonitrile	5.95	41	28813m	2.765	ug/l	
42) 1,2-Dichloroethane	6.91	62	73987	5.076	ug/l	97
43) Isopropyl Acetate	8.35	43	55163	4.393	ug/l #	97
44) Trichloroethene	7.75	130	85275	5.018	ug/l	99
45) 1,2-Dichloropropane	8.11	63	69594	4.938	ug/l	97
46) Dibromomethane	8.22	93	39303	4.753	ug/l	97
47) Bromodichloromethane	8.50	83	97375	5.018	ug/l	99
48) Methyl methacrylate	8.25	41	31694	4.138	ug/l #	84
49) 1,4-Dioxane	8.23	88	5487	82.019	ug/l #	86
51) 4-Methyl-2-Pentanone	9.35	43	180450	22.051	ug/l	99
52) Toluene	9.55	92	184956	5.175	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	75353	4.616	ug/l	95
54) cis-1,3-Dichloropropene	9.11	75	101533	4.810	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	53406	5.160	ug/l	98
56) Ethyl methacrylate	10.04	69	38149	4.037	ug/l	93
57) 1,3-Dichloropropane	10.39	76	75206	4.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	131410	23.110	ug/l	97
59) 2-Hexanone	10.49	43	122621	21.142	ug/l	98
60) Dibromochloromethane	10.65	129	57656	4.591	ug/l	95
61) 1,2-Dibromoethane	10.76	107	48293	4.664	ug/l	96
64) Tetrachloroethene	10.26	164	85057	5.374	ug/l	94
65) Chlorobenzene	11.31	112	194451	5.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	63981	5.122	ug/l	99
67) Ethyl Benzene	11.43	91	365099	5.567	ug/l	97
68) m/p-Xylenes	11.57	106	268113	11.111	ug/l	97
69) o-Xylene	11.93	106	118388	5.083	ug/l	84
70) Styrene	11.95	104	184541	4.878	ug/l	94
71) Bromoform	12.12	173	36596	4.346	ug/l	97
73) Isopropylbenzene	12.28	105	347104	5.524	ug/l	99
74) N-amyl acetate	12.13	43	65928	4.116	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	52102	5.123	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	49731	4.857	ug/l	97
77) Bromobenzene	12.54	156	87727	5.280	ug/l	93
78) n-propylbenzene	12.64	91	463058	5.942	ug/l	98
79) 2-Chlorotoluene	12.70	91	240123	5.598	ug/l	91
80) 1,3,5-Trimethylbenzene	12.79	105	275961	5.698	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	12040	4.128	ug/l	90
82) 4-Chlorotoluene	12.81	91	287239	5.983	ug/l	93
83) tert-Butylbenzene	13.05	119	298587	5.538	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	277372	5.716	ug/l	98
85) sec-Butylbenzene	13.22	105	373545	5.674	ug/l	97
86) p-Isopropyltoluene	13.34	119	304370	5.750	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	163562	5.539	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	160873	5.589	ug/l	96
89) n-Butylbenzene	13.65	91	325827	6.015	ug/l	97
90) Hexachloroethane	13.86	117	68911	5.411	ug/l	92
91) 1,2-Dichlorobenzene	13.67	146	139429	5.760	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	5503	4.496	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	102409	5.341	ug/l	99
94) Hexachlorobutadiene	14.89	225	74847	5.241	ug/l	98
95) Naphthalene	14.97	128	107260	4.558	ug/l	97
96) 1,2,3-Trichlorobenzene	15.11	180	80917	5.281	ug/l	97

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

