

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060657.D
 Acq On : 20 Dec 2018 13:55
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:41 AM

Quant Time: Dec 20 14:59:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1465536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2096894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1635999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	839923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	739563	73.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.84%	
35) Dibromofluoromethane	6.32	113	1128300	74.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.08%	
50) Toluene-d8	9.46	98	3267985	71.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.30%	
62) 4-Bromofluorobenzene	12.42	95	1152277	74.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	1391282	65.823	ug/l	99
3) Chloromethane	1.76	50	1225417	70.568	ug/l	99
4) Vinyl Chloride	1.86	62	986499	69.189	ug/l	98
5) Bromomethane	2.16	94	210394	56.749	ug/l	96
6) Chloroethane	2.27	64	303492	64.119	ug/l	97
7) Trichlorofluoromethane	2.51	101	1100967	66.929	ug/l	98
8) Diethyl Ether	2.84	74	182784	68.338	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	693350	67.967	ug/l	98
10) Methyl Iodide	3.25	142	801217	68.581	ug/l	97
11) Tert butyl alcohol	3.97	59	155186	343.480	ug/l	98
12) 1,1-Dichloroethene	3.08	96	555298	67.396	ug/l	98
13) Acrolein	2.99	56	133837	338.658	ug/l	100
14) Allyl chloride	3.55	41	1037922	66.249	ug/l	99
15) Acrylonitrile	4.09	53	855965	334.351	ug/l	97
16) Acetone	3.16	43	558062	298.706	ug/l	98
17) Carbon Disulfide	3.32	76	1838772	66.690	ug/l	99
18) Methyl Acetate	3.56	43	283742	60.747	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	1468971	66.408	ug/l	99
20) Methylene Chloride	3.72	84	1099782	65.770	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	1195809	68.704	ug/l	98
22) Diisopropyl ether	4.85	45	3527032	66.362	ug/l	96
23) Vinyl Acetate	4.80	43	8571073	328.345	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1902289	68.316	ug/l	99
25) 2-Butanone	5.62	43	1171881	316.999	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1467100	66.122	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	1208387	67.743	ug/l	98
28) Bromochloromethane	5.93	49	838913	72.354	ug/l	98
29) Tetrahydrofuran	5.96	42	671340	330.858	ug/l	99
30) Chloroform	6.10	83	1869855	66.457	ug/l	100
31) Cyclohexane	6.37	56	1743294	64.917	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	1604993	68.687	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1458642	65.159	ug/l	99
37) Ethyl Acetate	5.70	43	583467	63.144	ug/l	98
38) Carbon Tetrachloride	6.50	117	1311109	64.919	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1764232	67.190	ug/l	99
40) Benzene	6.79	78	3792564	65.293	ug/l	99
41) Methacrylonitrile	5.93	41	370537m	67.669	ug/l	
42) 1,2-Dichloroethane	6.89	62	936212	64.852	ug/l	99
43) Isopropyl Acetate	8.35	43	820865	65.413	ug/l	98
44) Trichloroethene	7.74	130	1161318	66.813	ug/l	94
45) 1,2-Dichloropropane	8.10	63	941939	66.770	ug/l	100
46) Dibromomethane	8.22	93	536313	65.547	ug/l	95
47) Bromodichloromethane	8.49	83	1299277	65.680	ug/l	98
48) Methyl methacrylate	8.24	41	493110	64.555	ug/l	98
49) 1,4-Dioxane	8.23	88	89986	1258.125	ug/l #	93
51) 4-Methyl-2-Pentanone	9.34	43	2372229	308.228	ug/l	97
52) Toluene	9.55	92	2355879	63.864	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1086825	64.707	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1373258	62.550	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	642580	65.687	ug/l	99
56) Ethyl methacrylate	10.03	69	631539	63.111	ug/l	99
57) 1,3-Dichloropropane	10.38	76	1027105	65.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	1615830	306.015	ug/l	98
59) 2-Hexanone	10.48	43	1696734	310.273	ug/l	98
60) Dibromochloromethane	10.64	129	844844	63.693	ug/l	96
61) 1,2-Dibromoethane	10.76	107	684734	65.071	ug/l	99
64) Tetrachloroethene	10.25	164	1071075	67.704	ug/l	98
65) Chlorobenzene	11.31	112	2557771	66.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	813680	64.591	ug/l	98
67) Ethyl Benzene	11.43	91	4216118	63.840	ug/l	100
68) m/p-Xylenes	11.57	106	3066430	127.850	ug/l	99
69) o-Xylene	11.93	106	1521448	65.435	ug/l	93
70) Styrene	11.96	104	2433272	64.855	ug/l	99
71) Bromoform	12.12	173	581939	68.599	ug/l	97
73) Isopropylbenzene	12.27	105	4019413	62.497	ug/l	99
74) N-amyl acetate	12.14	43	1024749	67.264	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	678558	63.654	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	678965	65.612	ug/l	100
77) Bromobenzene	12.54	156	1113357	64.966	ug/l	97
78) n-propylbenzene	12.64	91	5205565	63.528	ug/l	99
79) 2-Chlorotoluene	12.71	91	2888027	65.004	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	3210338	64.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	190035	63.228	ug/l	98
82) 4-Chlorotoluene	12.81	91	3141326	64.478	ug/l	99
83) tert-Butylbenzene	13.04	119	3643332	64.596	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	3236893	62.962	ug/l	100
85) sec-Butylbenzene	13.22	105	4397146	62.626	ug/l	100
86) p-Isopropyltoluene	13.34	119	3438856	62.647	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	2007058	64.421	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	1962652	63.833	ug/l	95
89) n-Butylbenzene	13.64	91	3521695	62.798	ug/l	97
90) Hexachloroethane	13.86	117	911690	65.356	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1515630	61.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	80456	63.882	ug/l	89

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93) 1,2,4-Trichlorobenzene	14.78	180	1285479	62.733	ug/l	96
94) Hexachlorobutadiene	14.88	225	969451	65.726	ug/l	99
95) Naphthalene	14.97	128	1616479	64.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1029507	63.840	ug/l	100

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

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