

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062643.D
 Acq On : 7 Jun 2019 16:16
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:25 AM

Quant Time: Jun 07 23:50:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	779877	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1038339	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	868314	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	502791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	825566	72.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	145.50%	
35) Dibromofluoromethane	6.93	113	814521	74.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	148.72%	
50) Toluene-d8	10.42	98	1892998	81.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.34%	
62) 4-Bromofluorobenzene	13.56	95	857048	77.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	705606	70.295	ug/l	95
3) Chloromethane	1.75	50	560002	71.236	ug/l	98
4) Vinyl Chloride	1.85	62	611306	76.966	ug/l	98
5) Bromomethane	2.16	94	284896	71.506	ug/l	99
6) Chloroethane	2.26	64	310953	75.770	ug/l	93
7) Trichlorofluoromethane	2.53	101	1419257	78.623	ug/l	99
8) Diethyl Ether	2.87	74	179830	73.052	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.15	101	823785	82.292	ug/l	98
10) Methyl Iodide	3.31	142	1112732	87.192	ug/l	95
11) Tert butyl alcohol	4.10	59	176345	358.058	ug/l #	80
12) 1,1-Dichloroethene	3.13	96	578683	82.963	ug/l	98
13) Acrolein	3.04	56	45457	333.963	ug/l	95
14) Allyl chloride	3.62	41	883304	82.368	ug/l	95
15) Acrylonitrile	4.20	53	458312	429.828	ug/l	99
16) Acetone	3.23	43	925764	439.055	ug/l	98
17) Carbon Disulfide	3.38	76	1811915	86.934	ug/l	100
18) Methyl Acetate	3.65	43	235907	68.751	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	1443226	83.904	ug/l	98
20) Methylene Chloride	3.82	84	592464	75.344	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	667612	85.449	ug/l	95
22) Diisopropyl ether	5.13	45	1899612	86.545	ug/l	99
23) Vinyl Acetate	5.07	43	5826357	420.681	ug/l	98
24) 1,1-Dichloroethane	4.99	63	1189557	82.077	ug/l	99
25) 2-Butanone	6.08	43	844571	410.945	ug/l	99
26) 2,2-Dichloropropane	6.02	77	1360555	81.145	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	668332	80.383	ug/l	94
28) Bromochloromethane	6.45	49	405468	78.130	ug/l	99
29) Tetrahydrofuran	6.48	42	360426	389.718	ug/l	99
30) Chloroform	6.67	83	1539807	82.536	ug/l	97
31) Cyclohexane	6.96	56	778779	87.672	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	1554125	82.371	ug/l	97
36) 1,1-Dichloropropene	7.15	75	1015259	82.098	ug/l	98
37) Ethyl Acetate	6.19	43	383341	71.106	ug/l	97
38) Carbon Tetrachloride	7.12	117	1591292m	81.523	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.87	83	842128	85.572	ug/l	93
40) Benzene	7.46	78	1969081	83.588	ug/l	100
41) Methacrylonitrile	6.46	41	510256	78.971	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	1132654	80.173	ug/l	97
43) Isopropyl Acetate	9.24	43	538093	85.001	ug/l #	99
44) Trichloroethene	8.54	130	826695	85.016	ug/l	95
45) 1,2-Dichloropropane	8.95	63	496455	86.871	ug/l	98
46) Dibromomethane	9.07	93	410527	80.211	ug/l	95
47) Bromodichloromethane	9.38	83	1171293	84.292	ug/l	96
48) Methyl methacrylate	9.13	41	371910	78.917	ug/l	95
49) 1,4-Dioxane	9.10	88	66147	1776.795	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1853193	412.275	ug/l	100
52) Toluene	10.51	92	1301279	80.728	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	946304	82.734	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1017015	85.932	ug/l #	95
55) 1,1,2-Trichloroethane	11.19	97	442302	82.119	ug/l	98
56) Ethyl methacrylate	11.05	69	502723	85.390	ug/l	97
57) 1,3-Dichloropropane	11.41	76	747832	88.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	973450	328.993	ug/l	100
59) 2-Hexanone	11.54	43	1401644	414.260	ug/l	98
60) Dibromochloromethane	11.69	129	902118	84.324	ug/l	98
61) 1,2-Dibromoethane	11.81	107	541210	82.856	ug/l	99
64) Tetrachloroethene	11.26	164	681102	82.619	ug/l	96
65) Chlorobenzene	12.40	112	1631436	83.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	786679	84.398	ug/l	99
67) Ethyl Benzene	12.53	91	2900478	83.870	ug/l	97
68) m/p-Xylenes	12.67	106	2016174	166.161	ug/l	99
69) o-Xylene	13.05	106	970148	85.181	ug/l	94
70) Styrene	13.07	104	1744414	85.897	ug/l	97
71) Bromoform	13.24	173	569552	87.909	ug/l	98
73) Isopropylbenzene	13.41	105	3096621	84.583	ug/l	98
74) N-amyl acetate	13.27	43	856108	86.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	506808	81.821	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	583916	84.177	ug/l	98
77) Bromobenzene	13.67	156	845836	82.115	ug/l	95
78) n-propylbenzene	13.78	91	3551760	80.141	ug/l	94
79) 2-Chlorotoluene	13.84	91	2097888	81.138	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	2765968	86.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	152657	85.434	ug/l	95
82) 4-Chlorotoluene	13.95	91	2563871	82.419	ug/l	99
83) tert-Butylbenzene	14.20	119	2966644	83.217	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	2648277	82.499	ug/l	99
85) sec-Butylbenzene	14.37	105	3227280	87.053	ug/l	99
86) p-Isopropyltoluene	14.49	119	2882714	80.150	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1569346	82.367	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1471232	82.209	ug/l	98
89) n-Butylbenzene	14.80	91	2615894	79.826	ug/l	99
90) Hexachloroethane	15.01	117	799766	84.419	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	1150925	73.499	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	116306	85.028	ug/l #	41

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1004562	84.560	ug/l	99
94) Hexachlorobutadiene	16.04	225	769521	82.033	ug/l	99
95) Naphthalene	16.12	128	1389860	84.211	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	726894	80.761	ug/l	97

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

