

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061958.D
 Acq On : 23 Apr 2019 1:41
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:35:20 AM

Quant Time: Apr 23 09:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	591203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	961383	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	797501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367509	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	381507	77.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.00%	
35) Dibromofluoromethane	6.92	113	549665	75.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.36%	
50) Toluene-d8	10.41	98	1172863	68.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.30%	
62) 4-Bromofluorobenzene	13.56	95	508350	72.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	403740	69.968	ug/l	97
3) Chloromethane	1.76	50	328718	71.481	ug/l	98
4) Vinyl Chloride	1.85	62	278171	60.949	ug/l	99
5) Bromomethane	2.15	94	65591	65.348	ug/l	95
6) Chloroethane	2.27	64	101488	65.183	ug/l	94
7) Trichlorofluoromethane	2.53	101	455767	61.573	ug/l	99
8) Diethyl Ether	2.87	74	127764	65.862	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	399493	60.529	ug/l	98
10) Methyl Iodide	3.31	142	693965	64.748	ug/l	98
11) Tert butyl alcohol	4.07	59	108893	372.667	ug/l	100
12) 1,1-Dichloroethene	3.12	96	329151	59.321	ug/l	97
13) Acrolein	3.04	56	94058	332.509	ug/l	85
14) Allyl chloride	3.63	41	467955	61.874	ug/l	97
15) Acrylonitrile	4.20	53	318347	347.038	ug/l	97
16) Acetone	3.22	43	361535	296.053	ug/l	94
17) Carbon Disulfide	3.38	76	980540	54.694	ug/l	99
18) Methyl Acetate	3.64	43	163343	66.735	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	740790	71.541	ug/l	96
20) Methylene Chloride	3.81	84	390448	65.770	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	379764	62.279	ug/l	97
22) Diisopropyl ether	5.12	45	1158736	71.675	ug/l	99
23) Vinyl Acetate	5.05	43	3240456	374.962	ug/l	100
24) 1,1-Dichloroethane	4.98	63	675130	68.878	ug/l	98
25) 2-Butanone	6.07	43	547670	393.928	ug/l	98
26) 2,2-Dichloropropane	6.03	77	576312	68.024	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	480308	72.661	ug/l	99
28) Bromochloromethane	6.44	49	259018	69.571	ug/l	95
29) Tetrahydrofuran	6.46	42	279046	412.043	ug/l	99
30) Chloroform	6.67	83	834670	76.346	ug/l	99
31) Cyclohexane	6.96	56	534713	71.261	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	721851	74.484	ug/l	96
36) 1,1-Dichloropropene	7.15	75	553560	70.463	ug/l	99
37) Ethyl Acetate	6.19	43	288192	85.712	ug/l	97
38) Carbon Tetrachloride	7.11	117	673531m	67.897	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	577749	70.820	ug/l	98
40) Benzene	7.47	78	1400347	74.247	ug/l	97
41) Methacrylonitrile	6.45	41	315536	79.397	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	506634	77.129	ug/l	96
43) Isopropyl Acetate	9.24	43	385865	81.551	ug/l #	98
44) Trichloroethene	8.55	130	524328	72.215	ug/l	98
45) 1,2-Dichloropropane	8.94	63	363778	74.048	ug/l	97
46) Dibromomethane	9.06	93	262873	75.095	ug/l	95
47) Bromodichloromethane	9.38	83	651855	80.717	ug/l	98
48) Methyl methacrylate	9.12	41	234006	84.136	ug/l	97
49) 1,4-Dioxane	9.08	88	47391	1558.923	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	1260770	435.719	ug/l	100
52) Toluene	10.51	92	845269	69.936	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	568290	78.096	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	650069	76.105	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	317399	77.934	ug/l	97
56) Ethyl methacrylate	11.05	69	348109	77.878	ug/l	97
57) 1,3-Dichloropropane	11.41	76	486459	79.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	764191	359.434	ug/l	99
59) 2-Hexanone	11.53	43	878470	408.762	ug/l	98
60) Dibromochloromethane	11.69	129	550215	82.566	ug/l	99
61) 1,2-Dibromoethane	11.81	107	400493	79.974	ug/l	95
64) Tetrachloroethene	11.26	164	432145	72.254	ug/l	97
65) Chlorobenzene	12.40	112	1127289	75.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	462808	74.358	ug/l	95
67) Ethyl Benzene	12.53	91	1660983	69.834	ug/l	99
68) m/p-Xylenes	12.67	106	1210512	135.491	ug/l	96
69) o-Xylene	13.05	106	619392	73.759	ug/l	100
70) Styrene	13.08	104	1013728	70.150	ug/l	99
71) Bromoform	13.23	173	313313	84.806	ug/l	100
73) Isopropylbenzene	13.40	105	1737478	72.898	ug/l	99
74) N-amyl acetate	13.26	43	510511	79.654	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	386600	82.059	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	324207	67.174	ug/l	100
77) Bromobenzene	13.67	156	500864	73.979	ug/l	86
78) n-propylbenzene	13.78	91	1897332	68.901	ug/l	99
79) 2-Chlorotoluene	13.84	91	1171117	72.802	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1315077	69.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	110915	69.513	ug/l	92
82) 4-Chlorotoluene	13.95	91	1227515	66.667	ug/l	100
83) tert-Butylbenzene	14.19	119	1570329	70.718	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1313721	69.108	ug/l	100
85) sec-Butylbenzene	14.37	105	1573972	68.566	ug/l	100
86) p-Isopropyltoluene	14.49	119	1428942	66.530	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	834500	70.604	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	823018	70.442	ug/l	99
89) n-Butylbenzene	14.80	91	1362845	71.683	ug/l	99
90) Hexachloroethane	15.01	117	466830	79.744	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	739162	74.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	50664	68.878	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	384698	70.747	ug/l	96
94) Hexachlorobutadiene	16.04	225	290640	73.754	ug/l	100
95) Naphthalene	16.13	128	645282	77.422	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	231583	74.734	ug/l	98

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

