

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062458.D
 Acq On : 20 May 2019 16:10
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:49:04 AM

Quant Time: May 21 03:35:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	694237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	931772	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	782914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	439968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	572216	88.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.38%	
35) Dibromofluoromethane	6.94	113	642864	83.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.30%	
50) Toluene-d8	10.43	98	1412321	75.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.54%	
62) 4-Bromofluorobenzene	13.57	95	594698	79.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	449275	67.664	ug/l	100
3) Chloromethane	1.75	50	290971	60.648	ug/l	93
4) Vinyl Chloride	1.86	62	333284	70.684	ug/l	94
5) Bromomethane	2.15	94	124793	112.952	ug/l	96
6) Chloroethane	2.26	64	172941	87.409	ug/l	99
7) Trichlorofluoromethane	2.54	101	732117	79.865	ug/l	99
8) Diethyl Ether	2.88	74	112207	63.468	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.16	101	470749	67.886	ug/l	95
10) Methyl Iodide	3.31	142	752012	71.753	ug/l #	82
11) Tert butyl alcohol	4.10	59	140646	427.079	ug/l	96
12) 1,1-Dichloroethene	3.14	96	345053	65.185	ug/l	83
13) Acrolein	3.05	56	102171	299.958	ug/l	95
14) Allyl chloride	3.63	41	557005	72.370	ug/l #	77
15) Acrylonitrile	4.21	53	333174	384.903	ug/l #	85
16) Acetone	3.23	43	522033	385.841	ug/l #	85
17) Carbon Disulfide	3.38	76	1057024	69.415	ug/l	100
18) Methyl Acetate	3.66	43	188627	71.081	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	949808	83.712	ug/l	93
20) Methylene Chloride	3.82	84	412381	72.998	ug/l	92
21) trans-1,2-Dichloroethene	4.23	96	449058	76.236	ug/l	91
22) Diisopropyl ether	5.14	45	1229980	75.098	ug/l	94
23) Vinyl Acetate	5.08	43	3882184	449.257	ug/l	98
24) 1,1-Dichloroethane	5.00	63	769648	77.896	ug/l	98
25) 2-Butanone	6.09	43	584290	395.922	ug/l	92
26) 2,2-Dichloropropane	6.05	77	768483	78.082	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	489382	74.225	ug/l	98
28) Bromochloromethane	6.45	49	275118	70.774	ug/l	90
29) Tetrahydrofuran	6.48	42	274967	404.378	ug/l	96
30) Chloroform	6.69	83	993458	83.430	ug/l	99
31) Cyclohexane	6.96	56	478718	70.721	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	960025	85.298	ug/l	99
36) 1,1-Dichloropropene	7.16	75	606633	79.406	ug/l	96
37) Ethyl Acetate	6.21	43	282910	87.321	ug/l #	91
38) Carbon Tetrachloride	7.13	117	981916m	92.862	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	549953	75.133	ug/l	97
40) Benzene	7.48	78	1297147	75.192	ug/l	100
41) Methacrylonitrile	6.47	41	362232	91.490	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	719571	98.449	ug/l	91
43) Isopropyl Acetate	9.26	43	398059	86.631	ug/l #	93
44) Trichloroethene	8.56	130	539885	82.128	ug/l	93
45) 1,2-Dichloropropane	8.95	63	339692	79.607	ug/l	97
46) Dibromomethane	9.08	93	305699	88.099	ug/l	95
47) Bromodichloromethane	9.39	83	777754	91.634	ug/l	97
48) Methyl methacrylate	9.14	41	235621	83.251	ug/l #	82
49) 1,4-Dioxane	9.10	88	47161	1544.389	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	1258748	426.172	ug/l	92
52) Toluene	10.53	92	876055	78.050	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	647769	88.304	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	666562	83.292	ug/l #	85
55) 1,1,2-Trichloroethane	11.21	97	329975	83.087	ug/l	96
56) Ethyl methacrylate	11.06	69	342608	83.018	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	474934	79.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	884561	392.395	ug/l	94
59) 2-Hexanone	11.55	43	932696	428.446	ug/l	93
60) Dibromochloromethane	11.70	129	630649	91.885	ug/l	99
61) 1,2-Dibromoethane	11.82	107	399787	82.800	ug/l	97
64) Tetrachloroethene	11.27	164	488775	79.838	ug/l	94
65) Chlorobenzene	12.41	112	1119513	76.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	524499	82.646	ug/l	95
67) Ethyl Benzene	12.53	91	1817517	74.450	ug/l	95
68) m/p-Xylenes	12.68	106	1268380	142.806	ug/l	92
69) o-Xylene	13.06	106	634378	76.826	ug/l	82
70) Styrene	13.08	104	1024618	73.250	ug/l	96
71) Bromoform	13.24	173	371737	84.192	ug/l	96
73) Isopropylbenzene	13.41	105	1830379	69.403	ug/l	95
74) N-amyl acetate	13.27	43	495038	71.595	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	372125	74.533	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	383654	73.375	ug/l	99
77) Bromobenzene	13.68	156	550882	74.617	ug/l	84
78) n-propylbenzene	13.78	91	2061519	65.528	ug/l	96
79) 2-Chlorotoluene	13.85	91	1359553	75.456	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1676689	75.498	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	109538	74.209	ug/l #	67
82) 4-Chlorotoluene	13.96	91	1540156	72.640	ug/l	93
83) tert-Butylbenzene	14.20	119	1784698	71.497	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1572734	70.571	ug/l	91
85) sec-Butylbenzene	14.37	105	1944288	71.041	ug/l	96
86) p-Isopropyltoluene	14.50	119	1648004	67.397	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	951654	70.563	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	982456	74.139	ug/l	99
89) n-Butylbenzene	14.81	91	1553885	70.800	ug/l	95
90) Hexachloroethane	15.01	117	511237	76.882	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	820650	73.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	74883	91.369	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	682865	84.467	ug/l	98
94) Hexachlorobutadiene	16.05	225	481834	80.133	ug/l	97
95) Naphthalene	16.14	128	993441	88.019	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	584116	114.916	ug/l	96

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

