

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061300.D
 Acq On : 25 Mar 2019 13:09
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:33 PM

Quant Time: Mar 26 02:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272922	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1055906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	409151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	603484	94.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.02%	
35) Dibromofluoromethane	6.93	113	896193	92.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.02%	
50) Toluene-d8	10.41	98	2064816	87.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.86%	
62) 4-Bromofluorobenzene	13.55	95	850441	92.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	781552	103.256	ug/l	95
3) Chloromethane	1.76	50	661663	112.078	ug/l	98
4) Vinyl Chloride	1.86	62	591103	107.100	ug/l	99
5) Bromomethane	2.15	94	95889	83.915	ug/l	97
6) Chloroethane	2.26	64	151441	87.185	ug/l	93
7) Trichlorofluoromethane	2.54	101	765003	93.621	ug/l	99
8) Diethyl Ether	2.88	74	251676	103.712	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	862521	103.836	ug/l	97
10) Methyl Iodide	3.32	142	1479183	127.472	ug/l	99
11) Tert butyl alcohol	4.08	59	191310	562.862	ug/l	99
12) 1,1-Dichloroethene	3.14	96	754020	105.506	ug/l	98
13) Acrolein	3.05	56	187520	503.350	ug/l	96
14) Allyl chloride	3.63	41	1059735	104.703	ug/l	99
15) Acrylonitrile	4.20	53	641641	536.777	ug/l	99
16) Acetone	3.24	43	878350	574.567	ug/l	96
17) Carbon Disulfide	3.38	76	2557562	107.662	ug/l	99
18) Methyl Acetate	3.65	43	294031	101.849	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	1305831	103.691	ug/l	100
20) Methylene Chloride	3.83	84	810398	93.484	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	809277	101.168	ug/l	94
22) Diisopropyl ether	5.14	45	2185124	102.494	ug/l	97
23) Vinyl Acetate	5.07	43	5875177	516.213	ug/l	100
24) 1,1-Dichloroethane	5.00	63	1319648	106.063	ug/l	99
25) 2-Butanone	6.07	43	950704	538.192	ug/l	96
26) 2,2-Dichloropropane	6.03	77	1039423	98.500	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	874433	101.656	ug/l	95
28) Bromochloromethane	6.45	49	498930	95.795	ug/l	98
29) Tetrahydrofuran	6.47	42	466351	530.387	ug/l	98
30) Chloroform	6.67	83	1374787	103.633	ug/l	99
31) Cyclohexane	6.96	56	1014638	100.469	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	1134667	96.594	ug/l	99
36) 1,1-Dichloropropene	7.16	75	1028983	98.838	ug/l	100
37) Ethyl Acetate	6.19	43	444177	102.443	ug/l	98
38) Carbon Tetrachloride	7.12	117	1186215m	96.401	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	1063952	98.592	ug/l	99
40) Benzene	7.46	78	2618207	101.161	ug/l	99
41) Methacrylonitrile	6.46	41	505308	99.942	ug/l	97
42) 1,2-Dichloroethane	7.58	62	857471	106.321	ug/l	98
43) Isopropyl Acetate	9.24	43	687798	109.659	ug/l #	99
44) Trichloroethene	8.54	130	993623	106.222	ug/l	99
45) 1,2-Dichloropropane	8.94	63	669021	104.801	ug/l	99
46) Dibromomethane	9.06	93	471445	107.711	ug/l	98
47) Bromodichloromethane	9.38	83	1081049	105.395	ug/l	100
48) Methyl methacrylate	9.12	41	386783	115.538	ug/l	97
49) 1,4-Dioxane	9.08	88	87428	2380.251	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1957210	524.192	ug/l	98
52) Toluene	10.51	92	1536357	97.077	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	929278	104.257	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1154869	106.106	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	546194	103.952	ug/l	99
56) Ethyl methacrylate	11.04	69	567411	101.202	ug/l	99
57) 1,3-Dichloropropane	11.41	76	840368	105.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1143226	391.939	ug/l	98
59) 2-Hexanone	11.54	43	1394221	514.131	ug/l	99
60) Dibromochloromethane	11.68	129	852807	103.624	ug/l	98
61) 1,2-Dibromoethane	11.81	107	658745	107.302	ug/l	94
64) Tetrachloroethene	11.26	164	710646	97.699	ug/l	99
65) Chlorobenzene	12.40	112	1852644	95.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	708173	93.917	ug/l	98
67) Ethyl Benzene	12.53	91	2555535	85.859	ug/l	100
68) m/p-Xylenes	12.67	106	2105261	181.197	ug/l	99
69) o-Xylene	13.05	106	902325	83.736	ug/l	99
70) Styrene	13.07	104	1573900	86.059	ug/l	98
71) Bromoform	13.24	173	507342	109.951	ug/l	99
73) Isopropylbenzene	13.41	105	2686464	100.949	ug/l	100
74) N-amyl acetate	13.27	43	838719	120.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	587284	113.800	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	584911	114.953	ug/l	97
77) Bromobenzene	13.67	156	785201	105.630	ug/l	99
78) n-propylbenzene	13.78	91	3109392	103.563	ug/l	94
79) 2-Chlorotoluene	13.84	91	1876147	107.542	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	183393	114.206	ug/l	99
82) 4-Chlorotoluene	13.95	91	1870741	97.889	ug/l	100
83) tert-Butylbenzene	14.19	119	2397361	100.014	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
85) sec-Butylbenzene	14.37	105	2741652	102.703	ug/l	100
86) p-Isopropyltoluene	14.49	119	2227349	93.523	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1339604	101.669	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1278291	100.152	ug/l	99
89) n-Butylbenzene	14.79	91	1855971	87.775	ug/l	99
90) Hexachloroethane	15.01	117	712714	111.615	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	953505	90.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	83663	129.736	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	527042	108.543	ug/l	100
94) Hexachlorobutadiene	16.03	225	433167	110.706	ug/l	99
95) Naphthalene	16.12	128	806691	113.878	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	234248	103.290	ug/l	99

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

