

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060720.D
 Acq On : 27 Dec 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:02 AM

Quant Time: Dec 28 08:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1517063	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	2149563	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1678243	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	879963	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	582056	55.52	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	6.29	113	883143	56.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	9.42	98	2541033	54.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.40	95	906632	55.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	1095494	56.515	ug/l	100
3) Chloromethane	1.76	50	936259	52.482	ug/l	97
4) Vinyl Chloride	1.85	62	777639	54.904	ug/l	100
5) Bromomethane	2.15	94	192903	60.801	ug/l	94
6) Chloroethane	2.26	64	249106	58.934	ug/l	98
7) Trichlorofluoromethane	2.50	101	869955	55.221	ug/l	100
8) Diethyl Ether	2.82	74	137830	52.293	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	544160	53.250	ug/l	99
10) Methyl Iodide	3.23	142	626864	58.369	ug/l	97
11) Tert butyl alcohol	3.94	59	121043	276.260	ug/l #	93
12) 1,1-Dichloroethene	3.05	96	443823	52.858	ug/l	99
13) Acrolein	2.97	56	133354	298.669	ug/l	94
14) Allyl chloride	3.52	41	839454	54.485	ug/l	98
15) Acrylonitrile	4.06	53	701060	275.603	ug/l	98
16) Acetone	3.14	43	512341	279.833	ug/l	97
17) Carbon Disulfide	3.30	76	1418397	52.895	ug/l	100
18) Methyl Acetate	3.54	43	248577	54.783	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1199642	56.315	ug/l	99
20) Methylene Chloride	3.69	84	877318	46.141	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	972984	56.583	ug/l	96
22) Diisopropyl ether	4.83	45	2959327	56.571	ug/l	99
23) Vinyl Acetate	4.78	43	7123425	281.464	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1561697	56.757	ug/l	100
25) 2-Butanone	5.59	43	986312	281.520	ug/l	99
26) 2,2-Dichloropropane	5.55	77	1272254	58.576	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	1016150	58.212	ug/l	97
28) Bromochloromethane	5.89	49	619774	53.318	ug/l	99
29) Tetrahydrofuran	5.92	42	534784	269.257	ug/l	99
30) Chloroform	6.07	83	1544259	55.776	ug/l	100
31) Cyclohexane	6.33	56	1384980	52.304	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1326122	57.893	ug/l	100
36) 1,1-Dichloropropene	6.49	75	1191020	53.808	ug/l	100
37) Ethyl Acetate	5.66	43	509726	55.062	ug/l	96
38) Carbon Tetrachloride	6.47	117	1086858	55.658	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.00	83	1382180	54.751	ug/l	98
40) Benzene	6.76	78	3085161	53.960	ug/l	100
41) Methacrylonitrile	5.89	41	265330m	51.817	ug/l	
42) 1,2-Dichloroethane	6.86	62	774179	54.564	ug/l	99
43) Isopropyl Acetate	8.32	43	650632	54.769	ug/l	97
44) Trichloroethene	7.71	130	944931	55.839	ug/l	99
45) 1,2-Dichloropropane	8.06	63	760905	54.267	ug/l	99
46) Dibromomethane	8.18	93	440970	55.103	ug/l	100
47) Bromodichloromethane	8.46	83	1072113	56.563	ug/l	99
48) Methyl methacrylate	8.21	41	404033	55.997	ug/l	98
49) 1,4-Dioxane	8.20	88	75395	1123.838	ug/l #	91
51) 4-Methyl-2-Pentanone	9.31	43	2004634	275.425	ug/l	98
52) Toluene	9.52	92	1952716	54.480	ug/l	100
53) t-1,3-Dichloropropene	9.88	75	885862	56.021	ug/l	99
54) cis-1,3-Dichloropropene	9.07	75	1152824	55.698	ug/l	98
55) 1,1,2-Trichloroethane	10.15	97	527969	54.747	ug/l	99
56) Ethyl methacrylate	10.00	69	520579	58.117	ug/l	97
57) 1,3-Dichloropropane	10.36	76	840362	54.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.89	63	1343196	254.493	ug/l	98
59) 2-Hexanone	10.45	43	1421628	279.048	ug/l	97
60) Dibromochloromethane	10.61	129	713055	58.048	ug/l	98
61) 1,2-Dibromoethane	10.73	107	564003	56.384	ug/l	97
64) Tetrachloroethene	10.22	164	879846	57.843	ug/l	98
65) Chlorobenzene	11.29	112	2100975	56.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	690580	57.926	ug/l	98
67) Ethyl Benzene	11.41	91	3520276	55.437	ug/l	100
68) m/p-Xylenes	11.55	106	2607280	112.351	ug/l	99
69) o-Xylene	11.91	106	1263510	57.389	ug/l	93
70) Styrene	11.93	104	2033108	57.336	ug/l	98
71) Bromoform	12.10	173	482889	61.362	ug/l	98
73) Isopropylbenzene	12.26	105	3576189	57.080	ug/l	100
74) N-amyl acetate	12.12	43	866513	58.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	572823	56.407	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	571453	57.041	ug/l	100
77) Bromobenzene	12.52	156	950459	57.461	ug/l	94
78) n-propylbenzene	12.62	91	4412561	55.090	ug/l	99
79) 2-Chlorotoluene	12.69	91	2430391	56.652	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2653097	54.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.32	75	168827	60.986	ug/l	96
82) 4-Chlorotoluene	12.79	91	2615258	53.784	ug/l	99
83) tert-Butylbenzene	13.03	119	3026655	54.972	ug/l	100
84) 1,2,4-Trimethylbenzene	13.07	105	2748356	55.157	ug/l	99
85) sec-Butylbenzene	13.20	105	3853172	57.385	ug/l	100
86) p-Isopropyltoluene	13.33	119	3039368	56.076	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1671137	55.035	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1660640	55.500	ug/l	99
89) n-Butylbenzene	13.63	91	2945087	53.172	ug/l	99
90) Hexachloroethane	13.84	117	795537	59.746	ug/l	96
91) 1,2-Dichlorobenzene	13.64	146	1272110	52.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.21	75	72140	60.467	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	1086763	56.071	ug/l	99
94) Hexachlorobutadiene	14.86	225	805695	56.239	ug/l	98
95) Naphthalene	14.95	128	1320287	57.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	864294	57.044	ug/l	100

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

