

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061315.D
 Acq On : 25 Mar 2019 23:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:40 AM

Quant Time: Mar 26 08:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	734210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1239548	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	988956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	429191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	313538	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	6.94	113	494547	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.41	98	1187088	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	13.55	95	467803	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	372209	49.584	ug/l	100
3) Chloromethane	1.77	50	286270	48.886	ug/l	99
4) Vinyl Chloride	1.87	62	273782	50.003	ug/l	99
5) Bromomethane	2.16	94	57111	51.391	ug/l	91
6) Chloroethane	2.28	64	101465	58.905	ug/l	100
7) Trichlorofluoromethane	2.55	101	379636	46.908	ug/l	99
8) Diethyl Ether	2.88	74	146885	61.039	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	420577	51.055	ug/l	97
10) Methyl Iodide	3.33	142	684576	59.484	ug/l	97
11) Tert butyl alcohol	4.07	59	95939	284.511	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	368894	52.043	ug/l	99
13) Acrolein	3.05	56	63273	171.423	ug/l	92
14) Allyl chloride	3.64	41	543831	54.084	ug/l	98
15) Acrylonitrile	4.21	53	324854	273.932	ug/l	98
16) Acetone	3.23	43	367119	242.293	ug/l	98
17) Carbon Disulfide	3.39	76	1242778	52.792	ug/l	99
18) Methyl Acetate	3.65	43	155467	54.283	ug/l	100
19) Methyl tert-butyl Ether	4.26	73	697554	55.879	ug/l	100
20) Methylene Chloride	3.83	84	458787	53.349	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	405181	51.096	ug/l	96
22) Diisopropyl ether	5.13	45	1173618	55.406	ug/l	90
23) Vinyl Acetate	5.07	43	3310256	292.598	ug/l	99
24) 1,1-Dichloroethane	5.01	63	674529	54.645	ug/l	100
25) 2-Butanone	6.08	43	501803	286.331	ug/l	98
26) 2,2-Dichloropropane	6.03	77	528751	50.447	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	489004	57.304	ug/l	100
28) Bromochloromethane	6.45	49	281706	54.524	ug/l	98
29) Tetrahydrofuran	6.47	42	266602	305.624	ug/l	99
30) Chloroform	6.68	83	724391	55.070	ug/l	98
31) Cyclohexane	6.97	56	517104	51.614	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	590122	50.655	ug/l	97
36) 1,1-Dichloropropene	7.16	75	496951	49.002	ug/l	98
37) Ethyl Acetate	6.19	43	241603	57.037	ug/l	95
38) Carbon Tetrachloride	7.13	117	555050m	47.886	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	558947	53.216	ug/l	96
40) Benzene	7.47	78	1309994	52.011	ug/l	100
41) Methacrylonitrile	6.45	41	289717	58.858	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	429275	54.687	ug/l	96
43) Isopropyl Acetate	9.24	43	363204	59.467	ug/l #	98
44) Trichloroethene	8.55	130	509722	55.958	ug/l	97
45) 1,2-Dichloropropane	8.95	63	346204	55.692	ug/l	100
46) Dibromomethane	9.06	93	233443	54.785	ug/l	99
47) Bromodichloromethane	9.38	83	543867	54.455	ug/l	99
48) Methyl methacrylate	9.12	41	195484	59.966	ug/l	96
49) 1,4-Dioxane	9.08	88	42486	1187.836	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1023695	281.554	ug/l	97
52) Toluene	10.51	92	846340	54.917	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	494970	57.027	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	587419	55.424	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	286095	55.916	ug/l	98
56) Ethyl methacrylate	11.04	69	311306	57.018	ug/l	97
57) 1,3-Dichloropropane	11.41	76	435311	56.335	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	697174	245.452	ug/l	99
59) 2-Hexanone	11.54	43	787343	298.157	ug/l	98
60) Dibromochloromethane	11.68	129	450721	56.244	ug/l	96
61) 1,2-Dibromoethane	11.81	107	345667	57.821	ug/l	99
64) Tetrachloroethene	11.26	164	375173	55.070	ug/l	95
65) Chlorobenzene	12.40	112	962676	52.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	395020	55.934	ug/l	99
67) Ethyl Benzene	12.52	91	1525661	54.728	ug/l	98
68) m/p-Xylenes	12.67	106	1132360	104.059	ug/l	97
69) o-Xylene	13.05	106	574608	56.934	ug/l	99
70) Styrene	13.07	104	988808	57.729	ug/l	98
71) Bromoform	13.24	173	259993	60.160	ug/l	97
73) Isopropylbenzene	13.41	105	1438482	51.530	ug/l	100
74) N-amyl acetate	13.27	43	396105	54.235	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	312196	57.671	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	307271	57.568	ug/l	98
77) Bromobenzene	13.67	156	416158	53.370	ug/l	97
78) n-propylbenzene	13.77	91	1672308	53.098	ug/l	100
79) 2-Chlorotoluene	13.84	91	911491	49.707	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	97778	58.047	ug/l	97
82) 4-Chlorotoluene	13.95	91	1118798	55.809	ug/l	99
83) tert-Butylbenzene	14.19	119	1405000	55.878	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
85) sec-Butylbenzene	14.37	105	1481693	52.913	ug/l	100
86) p-Isopropyltoluene	14.49	119	1301695	52.104	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	723252	52.328	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	734919	54.891	ug/l	99
89) n-Butylbenzene	14.79	91	1096979	49.458	ug/l	99
90) Hexachloroethane	15.01	117	349357	52.157	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	571588	51.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39142	57.864	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285541	56.061	ug/l	99
94) Hexachlorobutadiene	16.03	225	230034	56.050	ug/l	98
95) Naphthalene	16.12	128	473621	63.728	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	135078	56.781	ug/l	99

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

