

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063119.D
 Acq On : 16 Jul 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 9:23:34 AM

Quant Time: Jul 17 09:05:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	576817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	832253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	712271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	395689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	334227	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	6.91	113	370007	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
50) Toluene-d8	10.39	98	769176	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	
62) 4-Bromofluorobenzene	13.54	95	353264	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	315947	51.404	ug/l	98
3) Chloromethane	1.74	50	270365	51.912	ug/l #	85
4) Vinyl Chloride	1.83	62	279537	45.407	ug/l	98
5) Bromomethane	2.14	94	137150	59.033	ug/l	96
6) Chloroethane	2.26	64	145340	50.824	ug/l	94
7) Trichlorofluoromethane	2.52	101	619144	49.681	ug/l	93
8) Diethyl Ether	2.86	74	82292	46.942	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	325841	45.344	ug/l	95
10) Methyl Iodide	3.29	142	427850	48.498	ug/l	99
11) Tert butyl alcohol	4.05	59	94309	227.429	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	252382	49.458	ug/l	97
13) Acrolein	3.01	56	17968	143.565	ug/l	94
14) Allyl chloride	3.60	41	401567	50.071	ug/l	98
15) Acrylonitrile	4.18	53	235384	256.789	ug/l	99
16) Acetone	3.21	43	374304	215.678	ug/l	98
17) Carbon Disulfide	3.35	76	662017	45.324	ug/l	100
18) Methyl Acetate	3.63	43	158125	67.794	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	643731	49.974	ug/l	97
20) Methylene Chloride	3.80	84	283717	43.273	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	277228	48.939	ug/l	88
22) Diisopropyl ether	5.11	45	904998	51.901	ug/l	99
23) Vinyl Acetate	5.04	43	2740902	269.431	ug/l	98
24) 1,1-Dichloroethane	4.96	63	550628	51.265	ug/l	97
25) 2-Butanone	6.06	43	401436	242.232	ug/l	96
26) 2,2-Dichloropropane	6.00	77	531374	44.701	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	323231	50.160	ug/l	92
28) Bromochloromethane	6.43	49	203769	52.292	ug/l	93
29) Tetrahydrofuran	6.45	42	200118	266.385	ug/l	98
30) Chloroform	6.64	83	695573	52.583	ug/l	98
31) Cyclohexane	6.94	56	319273	46.675	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	703455	53.929	ug/l	96
36) 1,1-Dichloropropene	7.13	75	404928	43.261	ug/l	96
37) Ethyl Acetate	6.17	43	215646	53.832	ug/l #	95
38) Carbon Tetrachloride	7.10	117	639681m	44.975	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	344304	42.547	ug/l	98
40) Benzene	7.44	78	973514	49.659	ug/l	100
41) Methacrylonitrile	6.44	41	264229	48.651	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	496265	47.515	ug/l	96
43) Isopropyl Acetate	9.23	43	262353	45.691	ug/l #	96
44) Trichloroethene	8.52	130	367031	48.445	ug/l	100
45) 1,2-Dichloropropane	8.93	63	231303	47.323	ug/l	94
46) Dibromomethane	9.05	93	205816	49.002	ug/l	93
47) Bromodichloromethane	9.36	83	536959	48.991	ug/l #	94
48) Methyl methacrylate	9.10	41	182669	48.445	ug/l	93
49) 1,4-Dioxane	9.07	88	34893	1072.997	ug/l #	90
51) 4-Methyl-2-Pentanone	10.28	43	961859	252.566	ug/l	96
52) Toluene	10.49	92	609542	46.562	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	453899	48.337	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	454743	46.835	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	227756	50.344	ug/l	93
56) Ethyl methacrylate	11.03	69	246006	48.669	ug/l	95
57) 1,3-Dichloropropane	11.40	76	349066	50.707	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	706223	250.924	ug/l	100
59) 2-Hexanone	11.53	43	719663	245.031	ug/l	98
60) Dibromochloromethane	11.67	129	435743	50.247	ug/l	97
61) 1,2-Dibromoethane	11.79	107	281161	51.920	ug/l	98
64) Tetrachloroethene	11.25	164	324394	46.936	ug/l	94
65) Chlorobenzene	12.39	112	753235	44.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	370444	47.721	ug/l	96
67) Ethyl Benzene	12.52	91	1369732	47.083	ug/l	98
68) m/p-Xylenes	12.66	106	935011	89.733	ug/l	93
69) o-Xylene	13.04	106	439028	44.435	ug/l	93
70) Styrene	13.06	104	803229	46.444	ug/l	96
71) Bromoform	13.23	173	270499	49.773	ug/l	98
73) Isopropylbenzene	13.40	105	1395106	45.654	ug/l	98
74) N-amyl acetate	13.26	43	396336	46.506	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	261298	46.998	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	290745	47.766	ug/l	99
77) Bromobenzene	13.66	156	401241	46.302	ug/l	84
78) n-propylbenzene	13.77	91	1490018	42.372	ug/l	99
79) 2-Chlorotoluene	13.83	91	912797	42.931	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1199792	45.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	74530	46.497	ug/l	93
82) 4-Chlorotoluene	13.94	91	1173794	47.277	ug/l	91
83) tert-Butylbenzene	14.18	119	1442539	47.903	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1240212	46.709	ug/l	100
85) sec-Butylbenzene	14.36	105	1489838	46.564	ug/l	100
86) p-Isopropyltoluene	14.49	119	1221678	40.930	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	624340	40.343	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	694117	46.785	ug/l	97
89) n-Butylbenzene	14.79	91	1209595	43.968	ug/l	98
90) Hexachloroethane	15.00	117	352667	44.199	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	640158	46.454	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	50715	47.589	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	470673	45.462	ug/l	98
94) Hexachlorobutadiene	16.03	225	358907	47.032	ug/l	99
95) Naphthalene	16.12	128	731345	48.292	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	340156	40.842	ug/l	98

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

