

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062853.D
 Acq On : 24 Jun 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 9:59:56 AM

Quant Time: Jun 25 06:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	875240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1143248	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1010762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	532864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	520012	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	6.93	113	532877	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	10.42	98	1184787	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
62) 4-Bromofluorobenzene	13.56	95	532746	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	467289	41.258	ug/l	95
3) Chloromethane	1.75	50	356081	41.804	ug/l	98
4) Vinyl Chloride	1.85	62	342808	40.591	ug/l	98
5) Bromomethane	2.15	94	156169	39.486	ug/l	93
6) Chloroethane	2.26	64	196391	51.364	ug/l	98
7) Trichlorofluoromethane	2.53	101	774543	45.317	ug/l	95
8) Diethyl Ether	2.87	74	132480	61.005	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	426369	46.047	ug/l	94
10) Methyl Iodide	3.30	142	569201	46.595	ug/l	94
11) Tert butyl alcohol	4.08	59	123539	285.112	ug/l	99
12) 1,1-Dichloroethene	3.12	96	307008	44.198	ug/l	90
13) Acrolein	3.04	56	122966	277.985	ug/l	97
14) Allyl chloride	3.62	41	511922	49.877	ug/l	97
15) Acrylonitrile	4.20	53	322269	316.528	ug/l	94
16) Acetone	3.23	43	547864	284.948	ug/l	97
17) Carbon Disulfide	3.37	76	1011356	45.557	ug/l	98
18) Methyl Acetate	3.64	43	191094	66.538	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	903286	60.070	ug/l	99
20) Methylene Chloride	3.82	84	369772	50.964	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	372894	50.417	ug/l	96
22) Diisopropyl ether	5.13	45	1205814	57.769	ug/l	97
23) Vinyl Acetate	5.07	43	3806089	291.407	ug/l	99
24) 1,1-Dichloroethane	4.99	63	717406	52.790	ug/l	99
25) 2-Butanone	6.08	43	580296	326.127	ug/l	95
26) 2,2-Dichloropropane	6.03	77	698060	48.461	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	424419	54.264	ug/l	90
28) Bromochloromethane	6.45	49	266125	55.601	ug/l	96
29) Tetrahydrofuran	6.46	42	268334	318.731	ug/l	97
30) Chloroform	6.67	83	878470	53.152	ug/l	95
31) Cyclohexane	6.96	56	440726	49.331	ug/l	88
32) 1,1,1-Trichloroethane	6.88	97	846408	49.168	ug/l	93
36) 1,1-Dichloropropene	7.15	75	543200	50.192	ug/l	96
37) Ethyl Acetate	6.19	43	269819	59.561	ug/l	98
38) Carbon Tetrachloride	7.12	117	803756m	49.381	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	480859	50.477	ug/l	95
40) Benzene	7.46	78	1218217	56.077	ug/l	98
41) Methacrylonitrile	6.45	41	362918	63.588	ug/l	95
42) 1,2-Dichloroethane	7.59	62	690288	58.247	ug/l	99
43) Isopropyl Acetate	9.25	43	385289	67.906	ug/l #	100
44) Trichloroethene	8.55	130	443237	52.043	ug/l	96
45) 1,2-Dichloropropane	8.95	63	298471	55.254	ug/l	100
46) Dibromomethane	9.07	93	255687	55.102	ug/l	90
47) Bromodichloromethane	9.38	83	669762	55.577	ug/l	98
48) Methyl methacrylate	9.13	41	250421	62.108	ug/l	95
49) 1,4-Dioxane	9.09	88	49292	1469.432	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	1279219	317.998	ug/l	100
52) Toluene	10.52	92	806678	55.241	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	586648	59.475	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	604992	56.430	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	303105	60.415	ug/l	92
56) Ethyl methacrylate	11.05	69	356965	66.578	ug/l	96
57) 1,3-Dichloropropane	11.42	76	430394	56.027	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	893611	324.646	ug/l	97
59) 2-Hexanone	11.54	43	943535	329.338	ug/l	99
60) Dibromochloromethane	11.69	129	530028	56.719	ug/l	97
61) 1,2-Dibromoethane	11.81	107	362250	61.136	ug/l	98
64) Tetrachloroethene	11.27	164	447203	53.758	ug/l	95
65) Chlorobenzene	12.41	112	1046699	55.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	473487	53.973	ug/l	94
67) Ethyl Benzene	12.53	91	1714834	50.917	ug/l	99
68) m/p-Xylenes	12.68	106	1224257	104.369	ug/l	90
69) o-Xylene	13.06	106	586762	54.719	ug/l	95
70) Styrene	13.08	104	1045710	55.520	ug/l	95
71) Bromoform	13.24	173	351400	58.464	ug/l #	98
73) Isopropylbenzene	13.41	105	1666648	48.781	ug/l	99
74) N-amyl acetate	13.28	43	538619	64.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	334812	60.144	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	369484	60.064	ug/l	99
77) Bromobenzene	13.68	156	520130	56.599	ug/l	92
78) n-propylbenzene	13.78	91	1957142	49.216	ug/l	95
79) 2-Chlorotoluene	13.85	91	1188047	52.278	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1518409	52.909	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	95601	59.298	ug/l	96
82) 4-Chlorotoluene	13.96	91	1419276	51.875	ug/l	99
83) tert-Butylbenzene	14.19	119	1588664	49.663	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1472104	50.047	ug/l	97
85) sec-Butylbenzene	14.37	105	1803734	51.880	ug/l	93
86) p-Isopropyltoluene	14.50	119	1638548	51.516	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	863646	52.427	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	837815	50.636	ug/l	96
89) n-Butylbenzene	14.80	91	1503746	50.512	ug/l	96
90) Hexachloroethane	15.01	117	458644	53.631	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	808534	57.367	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73033	67.216	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	613049	55.682	ug/l	99
94) Hexachlorobutadiene	16.04	225	412739	49.071	ug/l	95
95) Naphthalene	16.13	128	977581	63.350	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	480370	56.786	ug/l	97

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

