

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111919\
 Data File : VY000737.D
 Acq On : 19 Nov 2019 10:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:57:19 AM

Quant Time: Nov 19 15:39:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	230234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	383091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	113374	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	7.73	113	103794	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	10.18	98	425012	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.48	95	153498	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	101425	44.751	ug/l	98
3) Chloromethane	2.12	50	135603	43.433	ug/l	99
4) Vinyl Chloride	2.25	62	132923	45.847	ug/l	99
5) Bromomethane	2.65	94	87446	50.297	ug/l	100
6) Chloroethane	2.79	64	86285	47.552	ug/l	95
7) Trichlorofluoromethane	3.13	101	185419	47.356	ug/l	97
8) Diethyl Ether	3.53	74	62242	44.739	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	109255	46.155	ug/l	97
10) Methyl Iodide	4.09	142	124648	40.645	ug/l	97
11) Tert butyl alcohol	4.96	59	42631	183.807	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	104226	45.320	ug/l	96
13) Acrolein	3.74	56	38455	190.346	ug/l	100
14) Allyl chloride	4.49	41	184169	49.249	ug/l	98
15) Acrylonitrile	5.17	53	155808	218.621	ug/l	99
16) Acetone	3.95	43	176442	268.689	ug/l	100
17) Carbon Disulfide	4.19	76	314725	43.389	ug/l	96
18) Methyl Acetate	4.49	43	86714	42.469	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	287010	44.885	ug/l	99
20) Methylene Chloride	4.72	84	118829	42.231	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	119889	46.112	ug/l	98
22) Diisopropyl ether	6.13	45	406951	50.067	ug/l	95
23) Vinyl Acetate	6.07	43	1208967	235.624	ug/l	98
24) 1,1-Dichloroethane	6.02	63	210001	47.691	ug/l	99
25) 2-Butanone	6.99	43	241394	230.334	ug/l	98
26) 2,2-Dichloropropane	6.99	77	188784	46.914	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	136381	47.971	ug/l	100
28) Bromochloromethane	7.35	49	105580	52.363	ug/l	94
29) Tetrahydrofuran	7.35	42	139445	217.497	ug/l	98
30) Chloroform	7.51	83	216924	48.698	ug/l	94
31) Cyclohexane	7.79	56	210178	45.572	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	186792	47.051	ug/l	99
36) 1,1-Dichloropropene	7.92	75	170626	47.114	ug/l	99
37) Ethyl Acetate	7.08	43	93274	43.381	ug/l	99
38) Carbon Tetrachloride	7.91	117	163587	46.944	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	221227	47.283	ug/l	95
40) Benzene	8.17	78	502039	47.284	ug/l	99
41) Methacrylonitrile	7.33	41	56019m	46.703	ug/l	
42) 1,2-Dichloroethane	8.24	62	141371	46.945	ug/l	100
43) Isopropyl Acetate	8.28	43	178836	44.277	ug/l	99
44) Trichloroethene	8.94	130	129716	46.336	ug/l	99
45) 1,2-Dichloropropane	9.22	63	126568	48.435	ug/l	91
46) Dibromomethane	9.31	93	66427	46.221	ug/l	97
47) Bromodichloromethane	9.50	83	163169	47.849	ug/l	98
48) Methyl methacrylate	9.30	41	79923	45.289	ug/l	96
49) 1,4-Dioxane	9.30	88	16153	835.130	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	470880	219.274	ug/l	99
52) Toluene	10.24	92	322376	48.024	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	175495	48.165	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	203179	48.675	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	96859	46.597	ug/l	96
56) Ethyl methacrylate	10.51	69	135361	45.945	ug/l	98
57) 1,3-Dichloropropane	10.79	76	169372	46.555	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	324678	243.765	ug/l	97
59) 2-Hexanone	10.83	43	358274	228.984	ug/l	98
60) Dibromochloromethane	10.99	129	109548	46.010	ug/l	99
61) 1,2-Dibromoethane	11.09	107	90521	45.292	ug/l	97
64) Tetrachloroethene	10.72	164	131333	45.921	ug/l	97
65) Chlorobenzene	11.52	112	334377	47.682	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	115829	47.626	ug/l	98
67) Ethyl Benzene	11.59	91	631167	48.904	ug/l	99
68) m/p-Xylenes	11.70	106	491929	98.480	ug/l	99
69) o-Xylene	12.03	106	227554	48.471	ug/l	99
70) Styrene	12.04	104	400947	49.876	ug/l	99
71) Bromoform	12.20	173	64661	46.224	ug/l #	98
73) Isopropylbenzene	12.33	105	624991	48.662	ug/l	100
74) N-amyl acetate	12.14	43	170353	46.312	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	113779	44.742	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	85373m	43.146	ug/l	
77) Bromobenzene	12.61	156	134146	46.059	ug/l	98
78) n-propylbenzene	12.67	91	766134	49.439	ug/l	100
79) 2-Chlorotoluene	12.75	91	420872	48.921	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	522859	48.881	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	42328	47.964	ug/l	93
82) 4-Chlorotoluene	12.85	91	439484	49.282	ug/l	99
83) tert-Butylbenzene	13.07	119	460230	50.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	535417	50.273	ug/l	100
85) sec-Butylbenzene	13.25	105	663771	51.011	ug/l	100
86) p-Isopropyltoluene	13.37	119	577737	49.817	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	273691	47.976	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	275912	48.401	ug/l	99
89) n-Butylbenzene	13.69	91	588762	51.473	ug/l	99
90) Hexachloroethane	13.96	117	106186	49.528	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	252132	48.712	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18457	41.010	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.01	180	167170	47.434	ug/l	97
94) Hexachlorobutadiene	15.11	225	84775	46.664	ug/l	98
95) Naphthalene	15.23	128	346900	44.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	143730	45.458	ug/l	99

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

