

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001073.D
 Acq On : 26 Dec 2019 15:36
 Operator : SY/MD
 Sample : K6431-10MS
 Misc : 7.33G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MS

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:04:36 AM

Quant Time: Dec 27 06:23:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	132033	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.70	114	235560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	207206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	94171	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	72357	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
35) Dibromofluoromethane	7.73	113	72687	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.18	98	307576	56.74	ug/l	0.00
Spiked Amount			Recovery	=	113.48%	
62) 4-Bromofluorobenzene	12.48	95	98605	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	51841	45.059	ug/l	97
3) Chloromethane	2.12	50	63774	40.728	ug/l	99
4) Vinyl Chloride	2.26	62	67307	44.262	ug/l	94
5) Bromomethane	2.66	94	44535	46.269	ug/l	96
6) Chloroethane	2.80	64	45065	47.581	ug/l	91
7) Trichlorofluoromethane	3.13	101	105153	47.145	ug/l	96
8) Diethyl Ether	3.54	74	45019	49.447	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	72578	49.538	ug/l	98
10) Methyl Iodide	4.10	142	86574	42.769	ug/l	99
11) Tert butyl alcohol	4.97	59	32323	225.747	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	70864	47.775	ug/l	92
13) Acrolein	3.74	56	30726	173.195	ug/l	100
14) Allyl chloride	4.49	41	110986	48.165	ug/l	99
15) Acrylonitrile	5.18	53	113137	248.644	ug/l	99
16) Acetone	3.96	43	71635	238.788	ug/l	98
17) Carbon Disulfide	4.20	76	185298	38.230	ug/l	100
18) Methyl Acetate	4.49	43	110571	96.070	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	196630	51.361	ug/l	97
20) Methylene Chloride	4.73	84	85150	48.222	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	79182	48.168	ug/l	94
22) Diisopropyl ether	6.13	45	243900	52.367	ug/l	96
23) Vinyl Acetate	6.08	43	464072	157.770	ug/l	97
24) 1,1-Dichloroethane	6.04	63	139081	50.531	ug/l	97
25) 2-Butanone	7.00	43	129567	245.851	ug/l #	88
26) 2,2-Dichloropropane	6.99	77	106322	47.018	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	89448	49.528	ug/l	98
28) Bromochloromethane	7.35	49	65255	60.763	ug/l	97
29) Tetrahydrofuran	7.36	42	91845	244.999	ug/l	100
30) Chloroform	7.52	83	133268	51.205	ug/l	99
31) Cyclohexane	7.80	56	122647	42.376	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	111612	50.272	ug/l	99
36) 1,1-Dichloropropene	7.93	75	106730	47.494	ug/l	99
37) Ethyl Acetate	7.08	43	51355	41.272	ug/l	97
38) Carbon Tetrachloride	7.91	117	95141	48.322	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	129378	43.354	ug/l	95
40) Benzene	8.17	78	333885	49.249	ug/l	98
41) Methacrylonitrile	7.33	41	28976m	53.712	ug/l	
42) 1,2-Dichloroethane	8.25	62	81292	50.153	ug/l	100
43) Isopropyl Acetate	8.28	43	98223	42.642	ug/l	97
44) Trichloroethene	8.95	130	88704	49.659	ug/l	100
45) 1,2-Dichloropropane	9.22	63	85066	50.016	ug/l	100
46) Dibromomethane	9.31	93	44890	51.202	ug/l	99
47) Bromodichloromethane	9.50	83	102545	50.495	ug/l	98
48) Methyl methacrylate	9.30	41	52917	53.835	ug/l	96
49) 1,4-Dioxane	9.30	88	13926	1085.845	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	292995	244.045	ug/l	98
52) Toluene	10.25	92	206308	49.441	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	107508	48.778	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	130656	49.300	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	67679	51.709	ug/l	99
56) Ethyl methacrylate	10.51	69	80415	43.169	ug/l	98
57) 1,3-Dichloropropane	10.79	76	116546	50.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	166096	230.854	ug/l	100
59) 2-Hexanone	10.83	43	206287	248.320	ug/l	100
60) Dibromochloromethane	10.99	129	71983	51.487	ug/l	96
61) 1,2-Dibromoethane	11.09	107	63020	50.351	ug/l	99
64) Tetrachloroethene	10.72	164	89433	49.884	ug/l	99
65) Chlorobenzene	11.52	112	211805	49.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	73648	51.924	ug/l	97
67) Ethyl Benzene	11.59	91	384687	49.760	ug/l	99
68) m/p-Xylenes	11.70	106	291018	99.142	ug/l	99
69) o-Xylene	12.03	106	139236	50.420	ug/l	99
70) Styrene	12.04	104	235424	50.138	ug/l	99
71) Bromoform	12.20	173	40542	51.333	ug/l #	99
73) Isopropylbenzene	12.33	105	368289	50.538	ug/l	100
74) N-amyl acetate	12.14	43	67660	35.341	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	75630	52.681	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	62856m	54.143	ug/l	
77) Bromobenzene	12.61	156	84537	51.579	ug/l	97
78) n-propylbenzene	12.67	91	438940	49.432	ug/l	100
79) 2-Chlorotoluene	12.75	91	236678	48.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	296289	49.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	25170	46.240	ug/l	93
82) 4-Chlorotoluene	12.85	91	261719	51.384	ug/l	96
83) tert-Butylbenzene	13.07	119	254221	50.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	297794	49.611	ug/l	99
85) sec-Butylbenzene	13.25	105	362433	49.029	ug/l	100
86) p-Isopropyltoluene	13.36	119	316014	49.405	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	155345	49.351	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	153551	48.356	ug/l	100
89) n-Butylbenzene	13.69	91	311820	48.453	ug/l	99
90) Hexachloroethane	13.95	117	57950	48.087	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	146950	50.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10976	45.697	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.00	180	90582	46.217	ug/l	99
94) Hexachlorobutadiene	15.11	225	45140	48.399	ug/l	99
95) Naphthalene	15.23	128	256269	55.600	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	82748	47.343	ug/l	99

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

