

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001074.D
 Acq On : 26 Dec 2019 15:58
 Operator : SY/MD
 Sample : K6431-11MSD
 Misc : 5.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:04:39 AM

Quant Time: Dec 27 06:24:42 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	7.80	168	241596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	435883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	382563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175183	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	121712	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.73	113	130895	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.18	98	546496	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.48	95	177384	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	94660	44.965	ug/l	100
3) Chloromethane	2.12	50	116559	40.681	ug/l	95
4) Vinyl Chloride	2.26	62	119503	42.948	ug/l	97
5) Bromomethane	2.65	94	79252	44.864	ug/l	97
6) Chloroethane	2.80	64	79312	45.764	ug/l	93
7) Trichlorofluoromethane	3.13	101	191052	46.813	ug/l	94
8) Diethyl Ether	3.54	74	78699	47.240	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	132766	49.524	ug/l	99
10) Methyl Iodide	4.10	142	163238	44.071	ug/l	98
11) Tert butyl alcohol	4.97	59	54878	209.460	ug/l	97
12) 1,1-Dichloroethene	3.88	96	128983	47.523	ug/l	99
13) Acrolein	3.74	56	44542	137.212	ug/l	99
14) Allyl chloride	4.49	41	196618	46.632	ug/l	98
15) Acrylonitrile	5.18	53	193721	232.671	ug/l	99
16) Acetone	3.96	43	126328	230.133	ug/l	94
17) Carbon Disulfide	4.20	76	346072	39.020	ug/l	99
18) Methyl Acetate	4.49	43	147968	70.260	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	347182	49.561	ug/l	94
20) Methylene Chloride	4.72	84	158869	49.169	ug/l	89
21) trans-1,2-Dichloroethene	5.23	96	146011	48.542	ug/l	97
22) Diisopropyl ether	6.13	45	429630	50.412	ug/l	97
23) Vinyl Acetate	6.07	43	996234	185.094	ug/l	98
24) 1,1-Dichloroethane	6.04	63	254828	50.598	ug/l	99
25) 2-Butanone	7.00	43	213111	220.992	ug/l	100
26) 2,2-Dichloropropane	6.99	77	194977	47.121	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	169470	51.282	ug/l	97
28) Bromochloromethane	7.35	49	111455	56.718	ug/l	95
29) Tetrahydrofuran	7.36	42	150696	219.687	ug/l	99
30) Chloroform	7.52	83	250433	52.586	ug/l	97
31) Cyclohexane	7.80	56	227674	42.990	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	201706	49.651	ug/l	99
36) 1,1-Dichloropropene	7.93	75	195130	46.926	ug/l	99
37) Ethyl Acetate	7.08	43	87562	38.029	ug/l	98
38) Carbon Tetrachloride	7.91	117	176673	48.493	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	249870	45.250	ug/l	96
40) Benzene	8.17	78	617015	49.184	ug/l	99
41) Methacrylonitrile	7.33	41	51457m	51.547	ug/l	
42) 1,2-Dichloroethane	8.25	62	142820	47.618	ug/l	99
43) Isopropyl Acetate	8.28	43	179449	42.102	ug/l	97
44) Trichloroethene	8.94	130	158585	47.978	ug/l	99
45) 1,2-Dichloropropane	9.22	63	156227	49.641	ug/l	96
46) Dibromomethane	9.31	93	77395	47.707	ug/l	97
47) Bromodichloromethane	9.50	83	189057	50.310	ug/l	99
48) Methyl methacrylate	9.30	41	85280	46.886	ug/l	95
49) 1,4-Dioxane	9.30	88	22310	940.097	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	490059	220.592	ug/l	98
52) Toluene	10.24	92	383219	49.631	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	199454	48.906	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	237177	48.364	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	118195	48.802	ug/l	97
56) Ethyl methacrylate	10.51	69	151669	44.001	ug/l	96
57) 1,3-Dichloropropane	10.79	76	205313	48.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	297329	223.330	ug/l	99
59) 2-Hexanone	10.83	43	335632	218.341	ug/l	97
60) Dibromochloromethane	10.99	129	130137	50.304	ug/l	99
61) 1,2-Dibromoethane	11.09	107	113999	49.223	ug/l	98
64) Tetrachloroethene	10.72	164	156701	47.341	ug/l	98
65) Chlorobenzene	11.52	112	403921	50.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	135491	51.739	ug/l	100
67) Ethyl Benzene	11.59	91	727064	50.938	ug/l	100
68) m/p-Xylenes	11.70	106	556244	102.636	ug/l	98
69) o-Xylene	12.03	106	268130	52.589	ug/l	98
70) Styrene	12.04	104	451116	52.036	ug/l	99
71) Bromoform	12.20	173	74092	50.812	ug/l #	99
73) Isopropylbenzene	12.33	105	732493	54.033	ug/l	99
74) N-amyl acetate	12.14	43	140964	39.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	133884	50.132	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	103888m	48.104	ug/l	
77) Bromobenzene	12.61	156	153805	50.446	ug/l	99
78) n-propylbenzene	12.67	91	835113	50.556	ug/l	99
79) 2-Chlorotoluene	12.75	91	453823	49.749	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	572513	51.521	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45902	45.331	ug/l	97
82) 4-Chlorotoluene	12.85	91	421707	44.507	ug/l	92
83) tert-Butylbenzene	13.07	119	481581	51.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	568547	50.916	ug/l	99
85) sec-Butylbenzene	13.25	105	698155	50.769	ug/l	99
86) p-Isopropyltoluene	13.36	119	627150	52.706	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	296943	50.710	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	299618	50.722	ug/l	99
89) n-Butylbenzene	13.69	91	599101	50.043	ug/l	99
90) Hexachloroethane	13.95	117	117063	52.218	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	274854	50.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	19392	43.400	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	182281	49.995	ug/l	100
94) Hexachlorobutadiene	15.11	225	88600	51.067	ug/l	99
95) Naphthalene	15.23	128	430285	50.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	162181	49.880	ug/l	100

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

