

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001103.D
 Acq On : 27 Dec 2019 17:11
 Operator : SY/MD
 Sample : K6439-03MSD
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:33:51 PM

Quant Time: Dec 28 04:44:29 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	267846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	484883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	420015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	135611	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.73	113	145404	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.18	98	607934	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.48	95	189721	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	97222	41.656	ug/l	100
3) Chloromethane	2.12	50	114188	35.948	ug/l	99
4) Vinyl Chloride	2.25	62	121805	39.485	ug/l	98
5) Bromomethane	2.65	94	80592	40.810	ug/l	93
6) Chloroethane	2.79	64	79131	41.185	ug/l	94
7) Trichlorofluoromethane	3.13	101	196997	43.539	ug/l	93
8) Diethyl Ether	3.54	74	88345	47.833	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	136170	45.815	ug/l	98
10) Methyl Iodide	4.10	142	181056	44.091	ug/l	99
11) Tert butyl alcohol	4.96	59	60975	209.923	ug/l	99
12) 1,1-Dichloroethene	3.88	96	138481	46.022	ug/l	98
13) Acrolein	3.74	56	75054	208.545	ug/l	97
14) Allyl chloride	4.49	41	207654	44.423	ug/l	98
15) Acrylonitrile	5.18	53	212603	230.324	ug/l	99
16) Acetone	3.96	43	134851	221.584	ug/l	95
17) Carbon Disulfide	4.19	76	358637	36.474	ug/l	99
18) Methyl Acetate	4.49	43	164919	70.634	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	373708	48.119	ug/l	95
20) Methylene Chloride	4.72	84	168849	47.137	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	159255	47.756	ug/l	98
22) Diisopropyl ether	6.13	45	452454	47.887	ug/l	98
23) Vinyl Acetate	6.07	43	1042144	174.648	ug/l	97
24) 1,1-Dichloroethane	6.02	63	271128	48.558	ug/l	98
25) 2-Butanone	7.00	43	231209	216.262	ug/l	93
26) 2,2-Dichloropropane	6.99	77	206654	45.048	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	182327	49.766	ug/l	97
28) Bromochloromethane	7.35	49	119906	55.039	ug/l	91
29) Tetrahydrofuran	7.36	42	158817	208.835	ug/l	95
30) Chloroform	7.52	83	264958	50.184	ug/l	99
31) Cyclohexane	7.79	56	220643	37.580	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	216977	48.176	ug/l	99
36) 1,1-Dichloropropene	7.93	75	207984	44.962	ug/l	99
37) Ethyl Acetate	7.08	43	96009	37.484	ug/l	97
38) Carbon Tetrachloride	7.91	117	186982	46.136	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	222809	36.272	ug/l	98
40) Benzene	8.17	78	665658	47.700	ug/l	99
41) Methacrylonitrile	7.33	41	45738m	41.188	ug/l	
42) 1,2-Dichloroethane	8.25	62	152912	45.831	ug/l	100
43) Isopropyl Acetate	8.28	43	191485	40.385	ug/l	96
44) Trichloroethene	8.94	130	173090	47.075	ug/l	99
45) 1,2-Dichloropropane	9.22	63	166430	47.539	ug/l	98
46) Dibromomethane	9.31	93	87791	48.646	ug/l	99
47) Bromodichloromethane	9.50	83	203259	48.623	ug/l	98
48) Methyl methacrylate	9.30	41	87845	43.416	ug/l	92
49) 1,4-Dioxane	9.30	88	22350	846.611	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	507237	205.251	ug/l	97
52) Toluene	10.24	92	412711	48.049	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	212940	46.936	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	259986	47.657	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	132545	49.197	ug/l	95
56) Ethyl methacrylate	10.51	69	166952	43.540	ug/l	94
57) 1,3-Dichloropropane	10.79	76	222941	47.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	282234	190.569	ug/l	100
59) 2-Hexanone	10.83	43	344545	201.489	ug/l	97
60) Dibromochloromethane	10.99	129	141892	49.305	ug/l	99
61) 1,2-Dibromoethane	11.09	107	120238	46.670	ug/l	99
64) Tetrachloroethene	10.72	164	171197	47.108	ug/l	98
65) Chlorobenzene	11.52	112	424425	48.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	149507	52.000	ug/l	98
67) Ethyl Benzene	11.59	91	760064	48.502	ug/l	100
68) m/p-Xylenes	11.70	106	573472	96.380	ug/l	98
69) o-Xylene	12.03	106	275758	49.263	ug/l	98
70) Styrene	12.04	104	472502	49.643	ug/l	99
71) Bromoform	12.20	173	78817	49.233	ug/l #	97
73) Isopropylbenzene	12.33	105	692022	49.791	ug/l	98
74) N-amyl acetate	12.14	43	141411	38.729	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	140665	51.375	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	112037m	50.600	ug/l	
77) Bromobenzene	12.61	156	161537	51.678	ug/l	97
78) n-propylbenzene	12.67	91	817663	48.281	ug/l	99
79) 2-Chlorotoluene	12.75	91	460511	49.239	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	559605	49.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49848	48.016	ug/l	99
82) 4-Chlorotoluene	12.85	91	475581	48.957	ug/l	99
83) tert-Butylbenzene	13.07	119	454338	47.509	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	560912	48.995	ug/l	100
85) sec-Butylbenzene	13.25	105	637280	45.202	ug/l	99
86) p-Isopropyltoluene	13.36	119	556272	45.599	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	295511	49.223	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	299560	49.464	ug/l	99
89) n-Butylbenzene	13.69	91	513024	41.798	ug/l	99
90) Hexachloroethane	13.95	117	107630	46.829	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	272394	49.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21517	46.971	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	160742	43.003	ug/l	98
94) Hexachlorobutadiene	15.11	225	52007	29.238	ug/l	98
95) Naphthalene	15.23	128	398972	45.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	139980	41.992	ug/l	99

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

