

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\
 Data File : VY001009.D
 Acq On : 19 Dec 2019 12:52
 Operator : SY/MD
 Sample : VY1219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2019 1:03:10 PM

Quant Time: Dec 20 08:24:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	276566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	489422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	202030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138860	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	7.72	113	135115	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	10.18	98	558981	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.48	95	189554	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	53582	17.998	ug/l	96
3) Chloromethane	2.12	50	66122	18.018	ug/l	99
4) Vinyl Chloride	2.26	62	67226	18.587	ug/l	98
5) Bromomethane	2.65	94	42730	18.088	ug/l	95
6) Chloroethane	2.79	64	43955	19.822	ug/l	100
7) Trichlorofluoromethane	3.13	101	95771	19.322	ug/l	96
8) Diethyl Ether	3.54	74	39295	21.063	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	64238	20.986	ug/l	99
10) Methyl Iodide	4.10	142	80018	20.763	ug/l	99
11) Tert butyl alcohol	4.97	59	27804	94.040	ug/l	100
12) 1,1-Dichloroethene	3.88	96	64229	21.181	ug/l	96
13) Acrolein	3.74	56	26179	89.886	ug/l	97
14) Allyl chloride	4.49	41	102355	19.685	ug/l	97
15) Acrylonitrile	5.18	53	101505	105.369	ug/l	98
16) Acetone	3.96	43	68570	101.714	ug/l	95
17) Carbon Disulfide	4.20	76	189994	19.372	ug/l	100
18) Methyl Acetate	4.49	43	54578	19.362	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	164855	20.356	ug/l	97
20) Methylene Chloride	4.72	84	82253	23.147	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	72292	20.974	ug/l	96
22) Diisopropyl ether	6.13	45	219207	20.512	ug/l	95
23) Vinyl Acetate	6.07	43	666299	102.558	ug/l	100
24) 1,1-Dichloroethane	6.03	63	123493	20.966	ug/l	97
25) 2-Butanone	7.00	43	116805	93.795	ug/l	95
26) 2,2-Dichloropropane	6.99	77	96682	19.503	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	79404	21.313	ug/l	98
28) Bromochloromethane	7.35	49	28631	14.739	ug/l	100
29) Tetrahydrofuran	7.36	42	84710	102.652	ug/l	98
30) Chloroform	7.52	83	115927	19.620	ug/l	97
31) Cyclohexane	7.79	56	120151	19.256	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	97917	20.069	ug/l	97
36) 1,1-Dichloropropene	7.93	75	97386	20.012	ug/l	100
37) Ethyl Acetate	7.08	43	55030	19.584	ug/l	98
38) Carbon Tetrachloride	7.91	117	84026	19.389	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	127735	19.812	ug/l	96
40) Benzene	8.17	78	290305	20.480	ug/l	100
41) Methacrylonitrile	7.32	41	24176m	16.325	ug/l	
42) 1,2-Dichloroethane	8.25	62	71792	19.258	ug/l	99
43) Isopropyl Acetate	8.28	43	100435	18.967	ug/l	97
44) Trichloroethene	8.94	130	75569	20.744	ug/l	95
45) 1,2-Dichloropropane	9.22	63	72837	20.457	ug/l #	87
46) Dibromomethane	9.31	93	38367	20.624	ug/l	99
47) Bromodichloromethane	9.50	83	88037	20.145	ug/l	99
48) Methyl methacrylate	9.29	41	42213	18.129	ug/l	89
49) 1,4-Dioxane	9.30	88	10646	403.882	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	265773	97.143	ug/l	99
52) Toluene	10.25	92	180814	20.602	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	94263	20.077	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	112349	20.244	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	57440	20.899	ug/l	94
56) Ethyl methacrylate	10.51	69	80677	20.519	ug/l	94
57) 1,3-Dichloropropane	10.79	76	101150	21.116	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	160148	101.017	ug/l	99
59) 2-Hexanone	10.83	43	182754	91.671	ug/l	100
60) Dibromochloromethane	10.99	129	59600	20.144	ug/l	96
61) 1,2-Dibromoethane	11.09	107	53192	20.535	ug/l	98
64) Tetrachloroethene	10.72	164	78645	20.953	ug/l	92
65) Chlorobenzene	11.52	112	187021	20.827	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	62736	20.731	ug/l	99
67) Ethyl Benzene	11.59	91	343525	20.541	ug/l	95
68) m/p-Xylenes	11.70	106	259001	41.260	ug/l	98
69) o-Xylene	12.03	106	122695	20.963	ug/l	97
70) Styrene	12.04	104	206527	20.608	ug/l	100
71) Bromoform	12.20	173	33266	19.490	ug/l #	100
73) Isopropylbenzene	12.33	105	328793	20.440	ug/l	100
74) N-amyl acetate	12.14	43	85208	19.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63346	19.986	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	52345m	22.868	ug/l	
77) Bromobenzene	12.61	156	71651	20.549	ug/l	97
78) n-propylbenzene	12.67	91	400837	20.408	ug/l	98
79) 2-Chlorotoluene	12.75	91	219764	20.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	273458	20.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	23190	19.900	ug/l	99
82) 4-Chlorotoluene	12.85	91	225960	20.212	ug/l	99
83) tert-Butylbenzene	13.07	119	225247	20.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	268977	20.186	ug/l	97
85) sec-Butylbenzene	13.25	105	335302	20.589	ug/l	100
86) p-Isopropyltoluene	13.36	119	288061	20.336	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	139068	20.331	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	140622	20.762	ug/l	99
89) n-Butylbenzene	13.69	91	292961	20.456	ug/l	99
90) Hexachloroethane	13.95	117	54205	20.774	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	128203	20.837	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10148	19.124	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	86674	20.818	ug/l	98
94) Hexachlorobutadiene	15.11	225	44086	21.357	ug/l	97
95) Naphthalene	15.23	128	203095	21.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	78287	21.051	ug/l	99

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

