

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001016.D
 Acq On : 23 Dec 2019 09:40
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:05:18 AM

Quant Time: Dec 23 11:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:25:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	319396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	559490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	490973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	16296	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	7.72	113	16398	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
50) Toluene-d8	10.17	98	70092	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
62) 4-Bromofluorobenzene	12.48	95	27254	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	13707	4.606	ug/l	97
3) Chloromethane	2.12	50	20841	5.334	ug/l	96
4) Vinyl Chloride	2.25	62	18926	4.969	ug/l	90
5) Bromomethane	2.65	94	12852	5.554	ug/l	91
6) Chloroethane	2.80	64	12271	5.212	ug/l #	86
7) Trichlorofluoromethane	3.13	101	28741	5.224	ug/l	88
8) Diethyl Ether	3.53	74	11347	5.194	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	18530	5.200	ug/l	96
10) Methyl Iodide	4.09	142	24064	5.034	ug/l	100
11) Tert butyl alcohol	4.97	59	9808	28.306	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	18838	5.263	ug/l	94
13) Acrolein	3.73	56	10829	27.881	ug/l	94
14) Allyl chloride	4.49	41	29357	5.106	ug/l	95
15) Acrylonitrile	5.18	53	28100	25.509	ug/l	95
16) Acetone	3.95	43	20528	27.921	ug/l	93
17) Carbon Disulfide	4.19	76	59179	5.079	ug/l #	93
18) Methyl Acetate	4.49	43	15095	5.198	ug/l #	77
19) Methyl tert-butyl Ether	5.22	73	48516	5.198	ug/l #	90
20) Methylene Chloride	4.72	84	25502	6.005	ug/l #	85
21) trans-1,2-Dichloroethene	5.22	96	20697	5.206	ug/l	98
22) Diisopropyl ether	6.13	45	60258	5.171	ug/l	94
23) Vinyl Acetate	6.07	43	187098	25.612	ug/l	100
24) 1,1-Dichloroethane	6.02	63	36207	5.360	ug/l	96
25) 2-Butanone	6.99	43	33388	25.236	ug/l #	85
26) 2,2-Dichloropropane	6.98	77	31327	5.598	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	22521	5.153	ug/l	89
28) Bromochloromethane	7.34	49	13574	5.207	ug/l #	97
29) Tetrahydrofuran	7.35	42	24544	26.456	ug/l	98
30) Chloroform	7.51	83	34198	5.343	ug/l	98
31) Cyclohexane	7.79	56	42491	5.953	ug/l #	78
32) 1,1,1-Trichloroethane	7.71	97	28609	5.235	ug/l	99
36) 1,1-Dichloropropene	7.92	75	28521	5.251	ug/l	99
37) Ethyl Acetate	7.08	43	16555	5.440	ug/l	98
38) Carbon Tetrachloride	7.91	117	24107	5.059	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	36346	5.044	ug/l	94
40) Benzene	8.16	78	86676	5.344	ug/l	98
41) Methacrylonitrile	7.31	41	6044m	2.143	ug/l	
42) 1,2-Dichloroethane	8.25	62	20497	5.174	ug/l	98
43) Isopropyl Acetate	8.28	43	28362	5.048	ug/l	99
44) Trichloroethene	8.94	130	23163	5.459	ug/l	96
45) 1,2-Dichloropropane	9.22	63	21502	5.281	ug/l	94
46) Dibromomethane	9.30	93	10429	4.973	ug/l	90
47) Bromodichloromethane	9.50	83	25431	5.190	ug/l	95
48) Methyl methacrylate	9.30	41	12211	5.059	ug/l	97
49) 1,4-Dioxane	9.30	88	3363	111.268	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	74639	25.334	ug/l	98
52) Toluene	10.24	92	52961	5.276	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	26192	4.931	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	33439	5.248	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	16153	5.155	ug/l	94
56) Ethyl methacrylate	10.51	69	21345	4.755	ug/l	93
57) 1,3-Dichloropropane	10.79	76	28979	5.287	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	52688	30.251	ug/l	95
59) 2-Hexanone	10.83	43	50115	24.193	ug/l	99
60) Dibromochloromethane	10.99	129	16094	4.802	ug/l	100
61) 1,2-Dibromoethane	11.08	107	15207	5.126	ug/l	93
64) Tetrachloroethene	10.72	164	23159	5.433	ug/l	95
65) Chlorobenzene	11.51	112	56931	5.540	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	17614	5.185	ug/l	97
67) Ethyl Benzene	11.59	91	99629	5.339	ug/l	100
68) m/p-Xylenes	11.70	106	74718	10.609	ug/l	98
69) o-Xylene	12.03	106	35630	5.365	ug/l	98
70) Styrene	12.04	104	58639	5.196	ug/l	99
71) Bromoform	12.20	173	8961	4.737	ug/l #	92
73) Isopropylbenzene	12.33	105	92521	5.242	ug/l	98
74) N-amyl acetate	12.14	43	22614	4.827	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	17293	5.009	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	15713m	4.151	ug/l	
77) Bromobenzene	12.60	156	20837	5.314	ug/l	98
78) n-propylbenzene	12.67	91	113283	5.279	ug/l	99
79) 2-Chlorotoluene	12.75	91	64979	5.471	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	76454	5.295	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	6216	4.768	ug/l #	87
82) 4-Chlorotoluene	12.85	91	65543	5.336	ug/l	97
83) tert-Butylbenzene	13.07	119	65618	5.375	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	76522	5.283	ug/l	99
85) sec-Butylbenzene	13.25	105	95174	5.328	ug/l	100
86) p-Isopropyltoluene	13.36	119	83218	5.375	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	41033	5.446	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	42010	5.543	ug/l	96
89) n-Butylbenzene	13.69	91	82323	5.265	ug/l	99
90) Hexachloroethane	13.95	117	14653	5.051	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	37216	5.372	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2956	5.108	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	25782	5.523	ug/l	98
94) Hexachlorobutadiene	15.11	225	11654	5.237	ug/l	99
95) Naphthalene	15.23	128	57042	5.222	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	22434	5.406	ug/l	98

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

