

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001128.D
 Acq On : 02 Jan 2020 10:42
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:11:09 AM

Quant Time: Jan 02 13:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	363979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	585697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	429695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	249266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	16174	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
35) Dibromofluoromethane	7.73	113	17790	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
50) Toluene-d8	10.18	98	66044	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.48	95	24415	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	10924	3.445	ug/l 94
3) Chloromethane	2.12	50	10334	2.618	ug/l 92
4) Vinyl Chloride	2.26	62	10775	2.794	ug/l # 85
5) Bromomethane	2.65	94	8103	3.374	ug/l # 75
6) Chloroethane	2.80	64	6394	2.669	ug/l # 83
7) Trichlorofluoromethane	3.13	101	26684	4.450	ug/l 94
8) Diethyl Ether	3.54	74	9068	3.820	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	15063	3.839	ug/l 96
10) Methyl Iodide	4.10	142	21967	3.935	ug/l 94
11) Tert butyl alcohol	4.97	59	9705	25.223	ug/l # 87
12) 1,1-Dichloroethene	3.88	96	16405	4.115	ug/l # 89
13) Acrolein	3.73	56	6823m	15.425	ug/l
14) Allyl chloride	4.49	41	18133	2.977	ug/l 96
15) Acrylonitrile	5.18	53	20375	16.862	ug/l 100
16) Acetone	3.97	43	18036	23.129	ug/l # 81
17) Carbon Disulfide	4.21	76	45439	3.471	ug/l 98
18) Methyl Acetate	4.49	43	9938	3.278	ug/l 100
19) Methyl tert-butyl Ether	5.24	73	42145	4.048	ug/l 97
20) Methylene Chloride	4.73	84	24331	5.008	ug/l 89
21) trans-1,2-Dichloroethene	5.24	96	19382	4.277	ug/l # 81
22) Diisopropyl ether	6.13	45	33997	2.772	ug/l # 92
23) Vinyl Acetate	6.07	43	103440	13.397	ug/l # 86
24) 1,1-Dichloroethane	6.04	63	23500	3.179	ug/l 97
25) 2-Butanone	7.00	43	26622	19.280	ug/l 98
26) 2,2-Dichloropropane	7.00	77	30726	4.948	ug/l 96
27) cis-1,2-Dichloroethene	7.00	96	22906	4.611	ug/l 95
28) Bromochloromethane	7.35	49	8787	3.122	ug/l 94
29) Tetrahydrofuran	7.36	42	16761	17.155	ug/l 96
30) Chloroform	7.52	83	33219	4.679	ug/l 90
31) Cyclohexane	7.80	56	34308	4.418	ug/l # 80
32) 1,1,1-Trichloroethane	7.71	97	31584	5.119	ug/l 98
36) 1,1-Dichloropropene	7.93	75	26757	4.789	ug/l 100
37) Ethyl Acetate	7.10	43	11504	3.867	ug/l # 70
38) Carbon Tetrachloride	7.91	117	27949	5.551	ug/l 98

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

39) Methylcyclohexane	9.19	83	37566	5.039	ug/l	97
40) Benzene	8.18	78	83854	4.967	ug/l	100
41) Methacrylonitrile	7.33	41	5974	4.796	ug/l #	21
42) 1,2-Dichloroethane	8.25	62	20640	5.147	ug/l	96
43) Isopropyl Acetate	8.28	43	21559	3.920	ug/l	99
44) Trichloroethene	8.94	130	25652	5.652	ug/l	90
45) 1,2-Dichloropropane	9.22	63	18259	4.405	ug/l	98
46) Dibromomethane	9.32	93	11019	5.095	ug/l	96
47) Bromodichloromethane	9.50	83	23405	4.689	ug/l #	94
48) Methyl methacrylate	9.30	41	9468	4.063	ug/l	96
49) 1,4-Dioxane	9.32	88	3510	111.141	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	45554	16.151	ug/l	98
52) Toluene	10.25	92	50750	4.921	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	24089	4.462	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	27950	4.339	ug/l #	90
55) 1,1,2-Trichloroethane	10.64	97	15755	4.838	ug/l	93
56) Ethyl methacrylate	10.51	69	18803	4.142	ug/l	98
57) 1,3-Dichloropropane	10.80	76	20735	3.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	39705	22.840	ug/l	99
59) 2-Hexanone	10.83	43	29588	14.965	ug/l	94
60) Dibromochloromethane	10.99	129	15808	4.481	ug/l	100
61) 1,2-Dibromoethane	11.09	107	13437	4.298	ug/l	99
64) Tetrachloroethene	10.72	164	23191	6.042	ug/l	86
65) Chlorobenzene	11.52	112	49587	5.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	16855	5.591	ug/l	98
67) Ethyl Benzene	11.60	91	82778	5.103	ug/l	96
68) m/p-Xylenes	11.70	106	66523	10.753	ug/l	99
69) o-Xylene	12.03	106	33344	5.730	ug/l	99
70) Styrene	12.04	104	53464	5.402	ug/l	98
71) Bromoform	12.21	173	10285	6.134	ug/l #	100
73) Isopropylbenzene	12.33	105	93950	4.827	ug/l	100
74) N-amyl acetate	12.14	43	15761	3.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	16348	4.365	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	12606m	4.118	ug/l	
77) Bromobenzene	12.61	156	23374	5.300	ug/l	97
78) n-propylbenzene	12.67	91	114988	4.865	ug/l	97
79) 2-Chlorotoluene	12.75	91	64792	4.975	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	86655	5.421	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	5843	4.110	ug/l	96
82) 4-Chlorotoluene	12.85	91	67089	4.979	ug/l	99
83) tert-Butylbenzene	13.08	119	73646	5.446	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	92707	5.790	ug/l	95
85) sec-Butylbenzene	13.25	105	101905	5.156	ug/l	100
86) p-Isopropyltoluene	13.37	119	94722	5.525	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	47942	5.691	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	47002	5.527	ug/l	93
89) n-Butylbenzene	13.70	91	88784	5.211	ug/l	99
90) Hexachloroethane	13.96	117	16337	5.091	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	43224	5.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3531	5.661	ug/l	75

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93) 1,2,4-Trichlorobenzene	15.00	180	29588	5.637	ug/l	95
94) Hexachlorobutadiene	15.11	225	15637	6.183	ug/l	100
95) Naphthalene	15.23	128	67839	5.553	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	26782	5.721	ug/l	99

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

