

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001064.D
 Acq On : 26 Dec 2019 12:18
 Operator : SY/MD
 Sample : VY1226SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:04:29 AM

Quant Time: Dec 27 04:26:31 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	324588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	573243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	503570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	229534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	148842	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	7.73	113	157042	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
50) Toluene-d8	10.18	98	652101	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.48	95	213959	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	60302	21.320	ug/l	99
3) Chloromethane	2.12	50	83476	21.685	ug/l	98
4) Vinyl Chloride	2.26	62	75558	20.212	ug/l	96
5) Bromomethane	2.65	94	48854	19.804	ug/l	96
6) Chloroethane	2.79	64	44941	19.301	ug/l	96
7) Trichlorofluoromethane	3.13	101	108095	19.714	ug/l	100
8) Diethyl Ether	3.53	74	44508	19.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	74188	20.598	ug/l	98
10) Methyl Iodide	4.10	142	95075	19.105	ug/l	98
11) Tert butyl alcohol	4.97	59	32476	92.262	ug/l	95
12) 1,1-Dichloroethene	3.88	96	75299	20.650	ug/l	93
13) Acrolein	3.74	56	38102	87.363	ug/l	98
14) Allyl chloride	4.49	41	113359	20.011	ug/l	98
15) Acrylonitrile	5.18	53	109985	98.323	ug/l	99
16) Acetone	3.96	43	77380	104.922	ug/l	97
17) Carbon Disulfide	4.20	76	239966	20.139	ug/l	98
18) Methyl Acetate	4.49	43	55876	19.748	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	185253	19.683	ug/l	96
20) Methylene Chloride	4.72	84	90504	20.849	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	79927	19.778	ug/l	88
22) Diisopropyl ether	6.13	45	230860	20.162	ug/l	97
23) Vinyl Acetate	6.07	43	705376	97.546	ug/l	99
24) 1,1-Dichloroethane	6.03	63	137425	20.310	ug/l	98
25) 2-Butanone	7.00	43	129259	99.767	ug/l	97
26) 2,2-Dichloropropane	6.99	77	112693	20.271	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	90425	20.367	ug/l	99
28) Bromochloromethane	7.34	49	46048	17.442	ug/l	98
29) Tetrahydrofuran	7.36	42	86405	93.756	ug/l	98
30) Chloroform	7.52	83	128646	20.106	ug/l	97
31) Cyclohexane	7.79	56	139659	19.628	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	108993	19.970	ug/l	100
36) 1,1-Dichloropropene	7.93	75	109509	20.025	ug/l	100
37) Ethyl Acetate	7.08	43	57632	19.033	ug/l	98
38) Carbon Tetrachloride	7.91	117	95004	19.828	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	145509	20.036	ug/l	97
40) Benzene	8.17	78	336268	20.382	ug/l	97
41) Methacrylonitrile	7.33	41	27124m	20.661	ug/l	
42) 1,2-Dichloroethane	8.24	62	76895	19.494	ug/l	99
43) Isopropyl Acetate	8.28	43	103053	18.384	ug/l	96
44) Trichloroethene	8.94	130	86551	19.911	ug/l	97
45) 1,2-Dichloropropane	9.22	63	81200	19.619	ug/l	97
46) Dibromomethane	9.31	93	42524	19.931	ug/l	98
47) Bromodichloromethane	9.50	83	96737	19.574	ug/l	96
48) Methyl methacrylate	9.30	41	43663	18.253	ug/l	94
49) 1,4-Dioxane	9.30	88	12738	408.137	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	280099	95.870	ug/l	100
52) Toluene	10.24	92	202239	19.916	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	106121	19.786	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	127319	19.741	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	62427	19.599	ug/l	93
56) Ethyl methacrylate	10.51	69	87367	19.273	ug/l	98
57) 1,3-Dichloropropane	10.79	76	110793	19.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	171155	97.753	ug/l	99
59) 2-Hexanone	10.83	43	181581	89.820	ug/l	96
60) Dibromochloromethane	10.99	129	66634	19.585	ug/l	98
61) 1,2-Dibromoethane	11.09	107	60029	19.709	ug/l	98
64) Tetrachloroethene	10.72	164	89622	20.569	ug/l	98
65) Chlorobenzene	11.52	112	209816	20.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68529	19.880	ug/l	98
67) Ethyl Benzene	11.59	91	378038	20.121	ug/l	100
68) m/p-Xylenes	11.70	106	288980	40.509	ug/l	99
69) o-Xylene	12.03	106	138289	20.605	ug/l	97
70) Styrene	12.04	104	231359	20.274	ug/l	99
71) Bromoform	12.20	173	36754	19.149	ug/l #	98
73) Isopropylbenzene	12.33	105	364219	20.505	ug/l	99
74) N-amyl acetate	12.14	43	86804	18.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	68399	19.547	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	49019m	17.323	ug/l	
77) Bromobenzene	12.61	156	78508	19.652	ug/l	99
78) n-propylbenzene	12.67	91	434636	20.082	ug/l	99
79) 2-Chlorotoluene	12.75	91	237167	19.842	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	298074	20.473	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	27223	20.518	ug/l	96
82) 4-Chlorotoluene	12.85	91	245752	19.795	ug/l	100
83) tert-Butylbenzene	13.07	119	249250	20.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	292446	19.988	ug/l	100
85) sec-Butylbenzene	13.25	105	361254	20.050	ug/l	99
86) p-Isopropyltoluene	13.37	119	318584	20.434	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	153355	19.988	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	155926	20.146	ug/l	99
89) n-Butylbenzene	13.69	91	315061	20.086	ug/l	100
90) Hexachloroethane	13.96	117	57833	19.689	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	141957	20.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10498	17.932	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	94312	19.742	ug/l	99
94) Hexachlorobutadiene	15.11	225	44031	19.369	ug/l	97
95) Naphthalene	15.23	128	219748	19.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	81794	19.200	ug/l	100

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

