

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001293.D
 Acq On : 20 Jan 2020 14:20
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 10:59:55 AM

Quant Time: Jan 21 07:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	192924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	336295	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	303502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102750	50.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.74	113	94745	48.12	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	10.19	98	393481	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.49	95	144070	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27287	18.417	ug/l	96
3) Chloromethane	2.12	50	43424	20.333	ug/l	99
4) Vinyl Chloride	2.26	62	45797	21.286	ug/l	97
5) Bromomethane	2.65	94	30867	26.708	ug/l	96
6) Chloroethane	2.80	64	29580	23.797	ug/l	98
7) Trichlorofluoromethane	3.13	101	60084	20.063	ug/l	94
8) Diethyl Ether	3.54	74	25414	21.839	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	38212	19.822	ug/l	99
10) Methyl Iodide	4.11	142	49080	18.601	ug/l	97
11) Tert butyl alcohol	4.98	59	33612	163.952	ug/l #	82
12) 1,1-Dichloroethene	3.89	96	39635	20.096	ug/l	98
13) Acrolein	3.74	56	21284	115.322	ug/l	94
14) Allyl chloride	4.50	41	70714	21.244	ug/l	99
15) Acrylonitrile	5.19	53	65073	111.809	ug/l	99
16) Acetone	3.97	43	57550	121.614	ug/l	99
17) Carbon Disulfide	4.21	76	119693	18.751	ug/l	100
18) Methyl Acetate	4.50	43	34056	21.767	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	117479	21.534	ug/l	98
20) Methylene Chloride	4.74	84	56990	22.842	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	46224	20.670	ug/l	94
22) Diisopropyl ether	6.15	45	149700	22.019	ug/l	99
23) Vinyl Acetate	6.08	43	482196	110.899	ug/l	99
24) 1,1-Dichloroethane	6.05	63	80715	21.686	ug/l	99
25) 2-Butanone	7.01	43	89321	121.278	ug/l	97
26) 2,2-Dichloropropane	7.01	77	70564	20.617	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	53544	21.851	ug/l	99
28) Bromochloromethane	7.35	49	30714	20.095	ug/l	95
29) Tetrahydrofuran	7.37	42	56539	112.020	ug/l	96
30) Chloroform	7.53	83	78021	21.394	ug/l	99
31) Cyclohexane	7.80	56	75817	19.239	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66159	20.446	ug/l	99
36) 1,1-Dichloropropene	7.94	75	62307	20.328	ug/l	99
37) Ethyl Acetate	7.10	43	39680	22.059	ug/l	96
38) Carbon Tetrachloride	7.92	117	56455	20.098	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	79409	19.110	ug/l	99
40) Benzene	8.18	78	190686	21.312	ug/l	100
41) Methacrylonitrile	7.35	41	24863m	29.424	ug/l	
42) 1,2-Dichloroethane	8.26	62	53824	21.484	ug/l	98
43) Isopropyl Acetate	8.29	43	74702	21.717	ug/l	98
44) Trichloroethene	8.96	130	49464	21.216	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47897	21.654	ug/l	99
46) Dibromomethane	9.32	93	25668	21.268	ug/l	99
47) Bromodichloromethane	9.51	83	62415	21.220	ug/l	99
48) Methyl methacrylate	9.31	41	33944	21.325	ug/l	99
49) 1,4-Dioxane	9.31	88	7178	488.378	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	192002	110.007	ug/l	98
52) Toluene	10.25	92	122263	21.425	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	68144	20.704	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	78643	21.193	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	39035	21.817	ug/l	97
56) Ethyl methacrylate	10.52	69	57605	21.048	ug/l	100
57) 1,3-Dichloropropane	10.80	76	65699	21.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	100635	104.546	ug/l	100
59) 2-Hexanone	10.85	43	134327	109.815	ug/l	98
60) Dibromochloromethane	11.00	129	43927	21.324	ug/l	99
61) 1,2-Dibromoethane	11.10	107	36030	20.624	ug/l	98
64) Tetrachloroethene	10.73	164	37713	19.276	ug/l	97
65) Chlorobenzene	11.53	112	126438	20.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	44868	21.466	ug/l	99
67) Ethyl Benzene	11.60	91	232867	20.991	ug/l	99
68) m/p-Xylenes	11.71	106	174868	41.785	ug/l	100
69) o-Xylene	12.04	106	84683	21.105	ug/l	99
70) Styrene	12.05	104	146886	20.864	ug/l	99
71) Bromoform	12.22	173	25689	19.929	ug/l #	100
73) Isopropylbenzene	12.34	105	225149	20.580	ug/l	100
74) N-amyl acetate	12.16	43	70523	20.655	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.60	83	47283	20.542	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	32618m	20.937	ug/l	
77) Bromobenzene	12.62	156	50860	21.039	ug/l	95
78) n-propylbenzene	12.68	91	268341	20.391	ug/l	99
79) 2-Chlorotoluene	12.77	91	155107	20.523	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	188283	20.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	17164	18.683	ug/l #	96
82) 4-Chlorotoluene	12.86	91	163174	20.224	ug/l	99
83) tert-Butylbenzene	13.08	119	155609	20.287	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	189934	20.952	ug/l	99
85) sec-Butylbenzene	13.27	105	226969	20.569	ug/l	99
86) p-Isopropyltoluene	13.38	119	202499	21.136	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	99646	21.796	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	99963	21.245	ug/l	99
89) n-Butylbenzene	13.70	91	204497	21.193	ug/l	98
90) Hexachloroethane	13.97	117	38021	20.310	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	90756	21.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8293	19.973	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62477	22.317	ug/l	99
94) Hexachlorobutadiene	15.12	225	30315	21.495	ug/l	99
95) Naphthalene	15.25	128	138436	21.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	54700	22.171	ug/l	99

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

