

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002228.D
 Acq On : 06 Apr 2020 11:56
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:19 PM

Quant Time: Apr 07 04:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	157793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	284127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	84362	48.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.73	113	82532	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.19	98	335620	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.49	95	115530	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31556	27.698	ug/l	99
3) Chloromethane	2.12	50	39749	21.556	ug/l	98
4) Vinyl Chloride	2.26	62	40905	21.811	ug/l	96
5) Bromomethane	2.65	94	26722	21.833	ug/l	100
6) Chloroethane	2.80	64	25593	21.253	ug/l	99
7) Trichlorofluoromethane	3.13	101	56474	21.974	ug/l	98
8) Diethyl Ether	3.54	74	23314	21.418	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37486	22.231	ug/l	99
10) Methyl Iodide	4.10	142	39588	19.745	ug/l	98
11) Tert butyl alcohol	4.96	59	27868	135.570	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	37490	21.896	ug/l	98
13) Acrolein	3.74	56	20961	81.585	ug/l	98
14) Allyl chloride	4.49	41	63465	20.248	ug/l	98
15) Acrylonitrile	5.18	53	60179	105.477	ug/l	100
16) Acetone	3.96	43	46621	95.130	ug/l	96
17) Carbon Disulfide	4.21	76	121364	21.359	ug/l	99
18) Methyl Acetate	4.49	43	25934	20.379	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	100742	21.091	ug/l	99
20) Methylene Chloride	4.73	84	44698	18.837	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	41346	21.209	ug/l	99
22) Diisopropyl ether	6.13	45	132294	20.624	ug/l	97
23) Vinyl Acetate	6.08	43	425052	101.052	ug/l	99
24) 1,1-Dichloroethane	6.04	63	71497	20.963	ug/l	97
25) 2-Butanone	7.00	43	76501	101.661	ug/l	94
26) 2,2-Dichloropropane	6.99	77	59408	21.150	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	46636	21.745	ug/l	98
28) Bromochloromethane	7.35	49	30347	19.490	ug/l	95
29) Tetrahydrofuran	7.36	42	49820	100.978	ug/l	97
30) Chloroform	7.52	83	67892	21.001	ug/l	96
31) Cyclohexane	7.79	56	74724	20.561	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	56037	20.761	ug/l	99
36) 1,1-Dichloropropene	7.93	75	57842	21.523	ug/l	99
37) Ethyl Acetate	7.09	43	32704	20.137	ug/l	97
38) Carbon Tetrachloride	7.91	117	49191	21.574	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74085	21.016	ug/l	98
40) Benzene	8.17	78	169329	21.271	ug/l	99
41) Methacrylonitrile	7.33	41	19955m	24.292	ug/l	
42) 1,2-Dichloroethane	8.25	62	43633	20.645	ug/l	100
43) Isopropyl Acetate	8.28	43	59670	19.796	ug/l	97
44) Trichloroethene	8.95	130	41288	21.516	ug/l	94
45) 1,2-Dichloropropane	9.22	63	42840	21.135	ug/l	98
46) Dibromomethane	9.32	93	22052	21.184	ug/l	98
47) Bromodichloromethane	9.50	83	51979	21.450	ug/l	96
48) Methyl methacrylate	9.30	41	28017	20.741	ug/l	99
49) 1,4-Dioxane	9.31	88	5624	393.718	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	160700	103.537	ug/l	97
52) Toluene	10.25	92	103857	21.570	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	56805	21.120	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	67041	21.170	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	32844	21.318	ug/l	99
56) Ethyl methacrylate	10.52	69	46217	20.539	ug/l	98
57) 1,3-Dichloropropane	10.80	76	58312	21.422	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	121431	105.020	ug/l	99
59) 2-Hexanone	10.84	43	108995	99.691	ug/l	98
60) Dibromochloromethane	10.99	129	34464	21.378	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30946	21.460	ug/l	98
64) Tetrachloroethene	10.72	164	35455	22.811	ug/l	97
65) Chlorobenzene	11.52	112	106076	21.631	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36169	22.046	ug/l	98
67) Ethyl Benzene	11.60	91	195995	21.519	ug/l	98
68) m/p-Xylenes	11.70	106	144853	43.015	ug/l	99
69) o-Xylene	12.03	106	68396	21.411	ug/l	99
70) Styrene	12.05	104	116985	21.134	ug/l	99
71) Bromoform	12.22	173	19270	21.445	ug/l #	98
73) Isopropylbenzene	12.33	105	184093	21.534	ug/l	100
74) N-amyl acetate	12.15	43	53271	19.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	39796	21.632	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28367m	22.005	ug/l	
77) Bromobenzene	12.61	156	39329	21.550	ug/l	97
78) n-propylbenzene	12.67	91	226717	21.370	ug/l	100
79) 2-Chlorotoluene	12.76	91	124805	21.426	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	152433	21.612	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	13754	20.670	ug/l	96
82) 4-Chlorotoluene	12.86	91	131183	21.371	ug/l	99
83) tert-Butylbenzene	13.08	119	128360	21.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	151901	21.585	ug/l	100
85) sec-Butylbenzene	13.26	105	189997	21.788	ug/l	99
86) p-Isopropyltoluene	13.38	119	163538	21.838	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	78227	21.911	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	78121	21.745	ug/l	100
89) n-Butylbenzene	13.70	91	165816	21.252	ug/l	100
90) Hexachloroethane	13.97	117	30408	21.549	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	70610	21.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5903	20.032	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44652	21.012	ug/l	99
94) Hexachlorobutadiene	15.12	225	22048	21.019	ug/l	96
95) Naphthalene	15.25	128	104906	20.784	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40156	20.838	ug/l	99

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

