

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001764.D
 Acq On : 24 Feb 2020 11:49
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 10:53:57 AM

Quant Time: Feb 24 14:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	197131	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	354039	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	316935	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	150542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	102031	48.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.73	113	92497	45.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.22%	
50) Toluene-d8	10.18	98	383179	48.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.48	95	137437	44.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34084	17.737	ug/l	99
3) Chloromethane	2.12	50	49718	19.236	ug/l	98
4) Vinyl Chloride	2.26	62	48533	18.617	ug/l	96
5) Bromomethane	2.65	94	31153	19.121	ug/l	99
6) Chloroethane	2.80	64	30792	19.168	ug/l	98
7) Trichlorofluoromethane	3.13	101	65552	19.647	ug/l	100
8) Diethyl Ether	3.54	74	27013	20.537	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43624	20.802	ug/l	97
10) Methyl Iodide	4.10	142	47688	18.580	ug/l	100
11) Tert butyl alcohol	4.97	59	30953	112.028	ug/l	97
12) 1,1-Dichloroethene	3.88	96	42528	19.883	ug/l	94
13) Acrolein	3.74	56	20902	97.603	ug/l	97
14) Allyl chloride	4.49	41	78527	20.629	ug/l	99
15) Acrylonitrile	5.18	53	73935	109.665	ug/l	100
16) Acetone	3.96	43	65965	89.908	ug/l	97
17) Carbon Disulfide	4.21	76	134854	18.885	ug/l	100
18) Methyl Acetate	4.49	43	36438	22.805	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	126328	21.213	ug/l	99
20) Methylene Chloride	4.73	84	52684	20.216	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	49583	20.318	ug/l	98
22) Diisopropyl ether	6.13	45	164632	21.060	ug/l	95
23) Vinyl Acetate	6.07	43	529481	103.836	ug/l	97
24) 1,1-Dichloroethane	6.03	63	86175	20.625	ug/l	99
25) 2-Butanone	7.00	43	101118	101.454	ug/l	99
26) 2,2-Dichloropropane	6.99	77	72427	19.924	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	55448	20.584	ug/l	98
28) Bromochloromethane	7.35	49	32937	18.924	ug/l	98
29) Tetrahydrofuran	7.36	42	64362	106.839	ug/l	97
30) Chloroform	7.52	83	82110	20.112	ug/l	99
31) Cyclohexane	7.79	56	88134	19.784	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	70272	20.480	ug/l	99
36) 1,1-Dichloropropene	7.93	75	67259	19.889	ug/l	99
37) Ethyl Acetate	7.08	43	41887	20.752	ug/l	99
38) Carbon Tetrachloride	7.91	117	58850	19.812	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88104	19.638	ug/l	99
40) Benzene	8.17	78	201039	20.213	ug/l	98
41) Methacrylonitrile	7.33	41	23231	22.922	ug/l #	81
42) 1,2-Dichloroethane	8.25	62	54898	20.261	ug/l	99
43) Isopropyl Acetate	8.28	43	80249	20.955	ug/l	100
44) Trichloroethene	8.94	130	49335	19.871	ug/l	100
45) 1,2-Dichloropropane	9.22	63	52767	21.184	ug/l	97
46) Dibromomethane	9.31	93	26991	20.717	ug/l	99
47) Bromodichloromethane	9.50	83	64648	20.560	ug/l	97
48) Methyl methacrylate	9.30	41	35413	20.446	ug/l	97
49) 1,4-Dioxane	9.30	88	7404	402.372	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	207087	105.247	ug/l	99
52) Toluene	10.25	92	126188	20.340	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	70978	20.419	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	81207	20.298	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	39724	20.678	ug/l	96
56) Ethyl methacrylate	10.51	69	59446	20.627	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71654	20.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	153828	132.982	ug/l	99
59) 2-Hexanone	10.83	43	147355	99.810	ug/l	100
60) Dibromochloromethane	10.99	129	42712	20.166	ug/l	99
61) 1,2-Dibromoethane	11.09	107	37629	20.716	ug/l	98
64) Tetrachloroethene	10.72	164	40384	20.298	ug/l	99
65) Chlorobenzene	11.52	112	129244	20.426	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	42763	20.034	ug/l	98
67) Ethyl Benzene	11.60	91	240787	20.506	ug/l	99
68) m/p-Xylenes	11.70	106	180666	41.188	ug/l	98
69) o-Xylene	12.03	106	84434	20.248	ug/l	98
70) Styrene	12.05	104	146617	20.231	ug/l	100
71) Bromoform	12.20	173	24166	19.811	ug/l #	100
73) Isopropylbenzene	12.33	105	229881	20.044	ug/l	99
74) N-amyl acetate	12.14	43	75695	20.681	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	50113	20.465	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	37485m	21.706	ug/l	
77) Bromobenzene	12.61	156	49111	19.754	ug/l	99
78) n-propylbenzene	12.67	91	280580	20.088	ug/l	99
79) 2-Chlorotoluene	12.76	91	160500	20.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	191427	20.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	18264	20.065	ug/l	97
82) 4-Chlorotoluene	12.86	91	166569	20.160	ug/l	100
83) tert-Butylbenzene	13.08	119	160541	20.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	192927	20.384	ug/l	100
85) sec-Butylbenzene	13.25	105	239095	20.475	ug/l	99
86) p-Isopropyltoluene	13.37	119	205592	20.266	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	96671	20.049	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	98297	20.168	ug/l	99
89) n-Butylbenzene	13.70	91	210441	20.301	ug/l	100
90) Hexachloroethane	13.96	117	38277	20.026	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	88232	19.829	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8767	21.693	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59114	20.047	ug/l	99
94) Hexachlorobutadiene	15.11	225	28938	19.733	ug/l	100
95) Naphthalene	15.24	128	136802	20.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	52101	20.084	ug/l	98

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

