

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003484.D
 Acq On : 03 Nov 2020 12:10
 Operator : SY/MD
 Sample : VY1103SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 11:57:41 AM

Quant Time: Nov 04 00:38:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	238438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	343905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	308157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	122245	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.73	113	104125	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.18	98	428756	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.48	95	142605	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	38851	20.594	ug/l	99
3) Chloromethane	2.12	50	51493	20.733	ug/l	97
4) Vinyl Chloride	2.26	62	57349	20.571	ug/l	98
5) Bromomethane	2.65	94	45907	19.709	ug/l	96
6) Chloroethane	2.80	64	36072	21.709	ug/l	98
7) Trichlorofluoromethane	3.13	101	73894	20.882	ug/l	96
8) Diethyl Ether	3.54	74	24108	22.216	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	41798	21.371	ug/l	99
10) Methyl Iodide	4.10	142	40840	23.075	ug/l	100
11) Tert butyl alcohol	4.97	59	36011	138.960	ug/l #	94
12) 1,1-Dichloroethene	3.88	96	41479	21.316	ug/l	99
13) Acrolein	3.74	56	23266	114.689	ug/l	99
14) Allyl chloride	4.49	41	75481	21.261	ug/l	100
15) Acrylonitrile	5.18	53	62654	108.165	ug/l	99
16) Acetone	3.96	43	79042	98.021	ug/l	99
17) Carbon Disulfide	4.21	76	135028	21.419	ug/l	98
18) Methyl Acetate	4.49	43	32481	21.315	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	106344	22.064	ug/l	96
20) Methylene Chloride	4.73	84	50833	22.384	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	47477	21.070	ug/l	98
22) Diisopropyl ether	6.14	45	137813	22.132	ug/l	94
23) Vinyl Acetate	6.08	43	514252	109.899	ug/l	99
24) 1,1-Dichloroethane	6.04	63	86727	21.918	ug/l	99
25) 2-Butanone	7.00	43	105539	104.645	ug/l	96
26) 2,2-Dichloropropane	6.99	77	80029	21.709	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	52464	21.488	ug/l	98
28) Bromochloromethane	7.35	49	40667	20.429	ug/l	96
29) Tetrahydrofuran	7.36	42	58130	110.304	ug/l	99
30) Chloroform	7.52	83	85177	21.916	ug/l	98
31) Cyclohexane	7.79	56	76474	20.873	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	78936	21.771	ug/l	99
36) 1,1-Dichloropropene	7.93	75	67855	20.927	ug/l	97
37) Ethyl Acetate	7.08	43	43849	21.778	ug/l	99
38) Carbon Tetrachloride	7.91	117	69956	20.797	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75332	20.865	ug/l	97
40) Benzene	8.17	78	193151	21.405	ug/l	99
41) Methacrylonitrile	7.33	41	21867m	20.338	ug/l	
42) 1,2-Dichloroethane	8.25	62	60420	21.370	ug/l	99
43) Isopropyl Acetate	8.28	43	77862	21.518	ug/l	99
44) Trichloroethene	8.94	130	53242	21.018	ug/l	99
45) 1,2-Dichloropropane	9.22	63	49539	21.739	ug/l	99
46) Dibromomethane	9.31	93	26710	21.305	ug/l	99
47) Bromodichloromethane	9.50	83	65931	21.486	ug/l	100
48) Methyl methacrylate	9.30	41	36105	21.182	ug/l	98
49) 1,4-Dioxane	9.30	88	6696	428.054	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	211991	109.957	ug/l	99
52) Toluene	10.25	92	120614	21.371	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	69846	21.389	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	78739	21.428	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	37646	21.153	ug/l	100
56) Ethyl methacrylate	10.51	69	51849	21.751	ug/l	98
57) 1,3-Dichloropropane	10.79	76	67787	21.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	134632	111.412	ug/l	100
59) 2-Hexanone	10.83	43	151730	106.294	ug/l	98
60) Dibromochloromethane	10.99	129	46751	21.374	ug/l	99
61) 1,2-Dibromoethane	11.09	107	36727	21.376	ug/l	98
64) Tetrachloroethene	10.72	164	49981	21.718	ug/l	96
65) Chlorobenzene	11.52	112	128742	21.505	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	48981	21.694	ug/l	99
67) Ethyl Benzene	11.60	91	230304	21.215	ug/l	99
68) m/p-Xylenes	11.70	106	175634	42.694	ug/l	99
69) o-Xylene	12.03	106	80629	21.307	ug/l	97
70) Styrene	12.05	104	137504	21.401	ug/l	99
71) Bromoform	12.20	173	32429	21.549	ug/l	# 100
73) Isopropylbenzene	12.33	105	223195	21.344	ug/l	100
74) N-amyl acetate	12.14	43	64813	21.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48392	21.665	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	35966m	21.234	ug/l	
77) Bromobenzene	12.61	156	56108	21.118	ug/l	97
78) n-propylbenzene	12.67	91	266594	21.644	ug/l	100
79) 2-Chlorotoluene	12.75	91	148953	21.645	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	190010	21.930	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17382	21.419	ug/l	98
82) 4-Chlorotoluene	12.86	91	156942	21.823	ug/l	99
83) tert-Butylbenzene	13.08	119	164599	21.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	188139	21.727	ug/l	100
85) sec-Butylbenzene	13.25	105	224486	21.575	ug/l	100
86) p-Isopropyltoluene	13.37	119	206249	21.374	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	106544	21.527	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	105729	21.483	ug/l	99
89) n-Butylbenzene	13.70	91	190635	21.630	ug/l	99
90) Hexachloroethane	13.96	117	35276	21.722	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	95385	21.694	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9111	22.533	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	69355	22.300	ug/l	99
94) Hexachlorobutadiene	15.11	225	44488	22.237	ug/l	97
95) Naphthalene	15.23	128	135611	21.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60936	21.782	ug/l	97

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

