

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
 Data File : VY001401.D
 Acq On : 27 Jan 2020 13:32
 Operator : SY/MD
 Sample : VY0127SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0127SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:29 PM

Quant Time: Jan 27 14:01:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	206924	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	359309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	151219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	111317	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.74	113	102202	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.19	98	415735	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.49	95	155191	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32957	20.197	ug/l	99
3) Chloromethane	2.13	50	51222	20.769	ug/l	99
4) Vinyl Chloride	2.26	62	48652	18.919	ug/l	95
5) Bromomethane	2.66	94	31013	17.907	ug/l	98
6) Chloroethane	2.80	64	30969	18.846	ug/l	96
7) Trichlorofluoromethane	3.14	101	63771	19.382	ug/l	99
8) Diethyl Ether	3.55	74	25452	18.324	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42198	20.139	ug/l	100
10) Methyl Iodide	4.11	142	47460	17.173	ug/l	100
11) Tert butyl alcohol	4.99	59	29290	91.151	ug/l	97
12) 1,1-Dichloroethene	3.89	96	41999	19.116	ug/l	98
13) Acrolein	3.75	56	19312	108.320	ug/l	92
14) Allyl chloride	4.50	41	75145	19.180	ug/l	99
15) Acrylonitrile	5.19	53	67747	95.287	ug/l	100
16) Acetone	3.97	43	64880	104.987	ug/l	94
17) Carbon Disulfide	4.22	76	131015	18.961	ug/l	100
18) Methyl Acetate	4.50	43	35245	18.562	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	119079	18.511	ug/l	97
20) Methylene Chloride	4.74	84	51392	15.565	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	46957	18.400	ug/l	99
22) Diisopropyl ether	6.15	45	149304	17.946	ug/l	94
23) Vinyl Acetate	6.08	43	504249	93.358	ug/l	100
24) 1,1-Dichloroethane	6.04	63	82676	18.853	ug/l	99
25) 2-Butanone	7.01	43	94559	96.486	ug/l	100
26) 2,2-Dichloropropane	7.01	77	72848	18.649	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	52914	18.552	ug/l	98
28) Bromochloromethane	7.36	49	31897	17.637	ug/l	98
29) Tetrahydrofuran	7.37	42	60576	95.007	ug/l	98
30) Chloroform	7.53	83	78230	18.200	ug/l	100
31) Cyclohexane	7.80	56	83593	19.199	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	69175	19.060	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64722	19.066	ug/l	99
37) Ethyl Acetate	7.10	43	41380	19.952	ug/l	99
38) Carbon Tetrachloride	7.92	117	59426	19.643	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	87020	20.011	ug/l	98
40) Benzene	8.18	78	193423	19.003	ug/l	99
41) Methacrylonitrile	7.33	41	17602m	16.447	ug/l	
42) 1,2-Dichloroethane	8.26	62	53065	18.659	ug/l	100
43) Isopropyl Acetate	8.29	43	77906	19.318	ug/l	100
44) Trichloroethene	8.96	130	49582	18.983	ug/l	100
45) 1,2-Dichloropropane	9.23	63	48336	18.786	ug/l	100
46) Dibromomethane	9.32	93	26259	19.010	ug/l	100
47) Bromodichloromethane	9.51	83	61046	18.487	ug/l	97
48) Methyl methacrylate	9.30	41	35370	19.293	ug/l	99
49) 1,4-Dioxane	9.31	88	7890	405.039	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	202346	97.429	ug/l	100
52) Toluene	10.25	92	120257	18.638	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	69643	19.028	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	78492	18.684	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	38528	18.897	ug/l	96
56) Ethyl methacrylate	10.52	69	57944	18.804	ug/l	99
57) 1,3-Dichloropropane	10.80	76	67816	19.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	114324	107.213	ug/l	99
59) 2-Hexanone	10.84	43	144628	100.030	ug/l	100
60) Dibromochloromethane	11.00	129	42578	18.672	ug/l	99
61) 1,2-Dibromoethane	11.10	107	37757	19.589	ug/l	98
64) Tetrachloroethene	10.73	164	38926	19.383	ug/l	95
65) Chlorobenzene	11.53	112	125931	19.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	43943	19.430	ug/l	100
67) Ethyl Benzene	11.60	91	237449	19.442	ug/l	98
68) m/p-Xylenes	11.71	106	178251	39.078	ug/l	99
69) o-Xylene	12.04	106	83951	19.132	ug/l	99
70) Styrene	12.05	104	145261	18.867	ug/l	99
71) Bromoform	12.22	173	25193	18.661	ug/l #	100
73) Isopropylbenzene	12.34	105	229272	19.214	ug/l	99
74) N-amyl acetate	12.15	43	75234	19.262	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	49050	19.194	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	33886m	18.596	ug/l	
77) Bromobenzene	12.62	156	49684	18.799	ug/l	99
78) n-propylbenzene	12.68	91	275346	19.171	ug/l	100
79) 2-Chlorotoluene	12.77	91	154394	18.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	191148	19.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18990	19.722	ug/l	98
82) 4-Chlorotoluene	12.86	91	164989	18.825	ug/l	100
83) tert-Butylbenzene	13.08	119	157136	18.716	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	190808	19.081	ug/l	99
85) sec-Butylbenzene	13.27	105	232980	19.531	ug/l	100
86) p-Isopropyltoluene	13.38	119	208034	19.790	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	97173	19.091	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	96739	18.718	ug/l	98
89) n-Butylbenzene	13.70	91	208169	19.677	ug/l	98
90) Hexachloroethane	13.97	117	38341	19.242	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	89838	19.138	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8653	19.623	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59583	18.912	ug/l	99
94) Hexachlorobutadiene	15.12	225	29735	19.383	ug/l	97
95) Naphthalene	15.25	128	144037	19.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51641	18.685	ug/l	98

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

