

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002784.D
 Acq On : 28 May 2020 11:45
 Operator : SY/MD
 Sample : VY0528SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:07 AM

Quant Time: May 28 16:57:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	442407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	224920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	126419	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.72	113	129458	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.18	98	515260	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.48	95	179199	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	40853	19.810	ug/l	92
3) Chloromethane	2.12	50	47734	20.926	ug/l	99
4) Vinyl Chloride	2.26	62	50325	20.873	ug/l	100
5) Bromomethane	2.64	94	37617	20.820	ug/l	99
6) Chloroethane	2.79	64	32673	20.905	ug/l	99
7) Trichlorofluoromethane	3.13	101	87517	20.495	ug/l	97
8) Diethyl Ether	3.54	74	31598	18.951	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	53606	21.143	ug/l	99
10) Methyl Iodide	4.10	142	69117	19.483	ug/l	99
11) Tert butyl alcohol	4.97	59	29384	97.254	ug/l	98
12) 1,1-Dichloroethene	3.88	96	53317	20.911	ug/l	95
13) Acrolein	3.74	56	31351	102.802	ug/l	100
14) Allyl chloride	4.49	41	76127	20.818	ug/l	99
15) Acrylonitrile	5.18	53	75578	100.476	ug/l	100
16) Acetone	3.96	43	57875	94.844	ug/l	99
17) Carbon Disulfide	4.20	76	159333	20.680	ug/l	99
18) Methyl Acetate	4.49	43	34031	21.677	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	142147	20.195	ug/l	99
20) Methylene Chloride	4.72	84	61347	20.572	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	59263	20.668	ug/l	99
22) Diisopropyl ether	6.13	45	159953	21.049	ug/l	95
23) Vinyl Acetate	6.07	43	519644	103.574	ug/l	99
24) 1,1-Dichloroethane	6.02	63	93466	21.026	ug/l	99
25) 2-Butanone	6.99	43	93670	98.526	ug/l	96
26) 2,2-Dichloropropane	6.99	77	86539	20.298	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	65585	20.432	ug/l	99
28) Bromochloromethane	7.34	49	38066	20.860	ug/l	99
29) Tetrahydrofuran	7.35	42	62417	100.933	ug/l	100
30) Chloroform	7.52	83	98129	20.803	ug/l	98
31) Cyclohexane	7.79	56	91341	20.695	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	89283	20.312	ug/l	99
36) 1,1-Dichloropropene	7.92	75	76571	20.547	ug/l	100
37) Ethyl Acetate	7.08	43	41148	20.294	ug/l	99
38) Carbon Tetrachloride	7.91	117	84372	20.380	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	101165	20.595	ug/l	96
40) Benzene	8.16	78	227632	20.672	ug/l	98
41) Methacrylonitrile	7.33	41	20369m	18.699	ug/l	
42) 1,2-Dichloroethane	8.24	62	63592	20.606	ug/l	100
43) Isopropyl Acetate	8.28	43	77763	20.238	ug/l	99
44) Trichloroethene	8.94	130	72112	20.732	ug/l	99
45) 1,2-Dichloropropane	9.22	63	54360	20.585	ug/l	97
46) Dibromomethane	9.31	93	32643	20.814	ug/l	98
47) Bromodichloromethane	9.50	83	76126	20.590	ug/l	98
48) Methyl methacrylate	9.30	41	34763	20.041	ug/l	99
49) 1,4-Dioxane	9.30	88	9905	411.326	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	204761	100.638	ug/l	100
52) Toluene	10.24	92	148598	20.628	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	83146	20.590	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	94060	20.556	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	48911	20.371	ug/l	91
56) Ethyl methacrylate	10.51	69	64821	20.156	ug/l	99
57) 1,3-Dichloropropane	10.79	76	80702	20.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	158591	100.924	ug/l	100
59) 2-Hexanone	10.83	43	143573	99.454	ug/l	100
60) Dibromochloromethane	10.99	129	62111	20.404	ug/l	99
61) 1,2-Dibromoethane	11.09	107	48603	20.521	ug/l	99
64) Tetrachloroethene	10.72	164	77987	20.890	ug/l	98
65) Chlorobenzene	11.52	112	166187	20.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	63030	20.614	ug/l	100
67) Ethyl Benzene	11.59	91	291220	20.691	ug/l	97
68) m/p-Xylenes	11.70	106	225696	41.360	ug/l	100
69) o-Xylene	12.03	106	107199	20.809	ug/l	99
70) Styrene	12.04	104	184208	20.627	ug/l	100
71) Bromoform	12.20	173	42232	20.642	ug/l #	100
73) Isopropylbenzene	12.33	105	292430	20.288	ug/l	99
74) N-amyl acetate	12.14	43	73182	19.788	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	50889	20.122	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	40866m	20.164	ug/l	
77) Bromobenzene	12.61	156	75740	20.180	ug/l	98
78) n-propylbenzene	12.67	91	340168	20.431	ug/l	99
79) 2-Chlorotoluene	12.75	91	188750	20.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	247046	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21475	19.963	ug/l #	79
82) 4-Chlorotoluene	12.86	91	199547	20.393	ug/l	100
83) tert-Butylbenzene	13.08	119	217568	20.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	249923	20.653	ug/l	99
85) sec-Butylbenzene	13.25	105	297971	20.300	ug/l	100
86) p-Isopropyltoluene	13.37	119	281816	20.633	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	143578	20.196	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	143777	20.217	ug/l	99
89) n-Butylbenzene	13.70	91	257211	20.742	ug/l	99
90) Hexachloroethane	13.96	117	52758	20.633	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	131765	20.437	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10140	20.840	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	99937	20.564	ug/l	99
94) Hexachlorobutadiene	15.11	225	56622	20.543	ug/l	99
95) Naphthalene	15.23	128	192676	19.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	88219	20.329	ug/l	100

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

