

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002763.D
 Acq On : 27 May 2020 14:51
 Operator : SY/MD
 Sample : VY0527SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:47 PM

Quant Time: May 28 08:58:42 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	325829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	479754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	445161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	139674	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.72	113	143485	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.18	98	569408	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.48	95	199630	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	48449	21.610	ug/l	99
3) Chloromethane	2.11	50	54602	22.018	ug/l	98
4) Vinyl Chloride	2.25	62	58656	22.378	ug/l	97
5) Bromomethane	2.65	94	41155	20.952	ug/l	96
6) Chloroethane	2.79	64	35531	20.911	ug/l	97
7) Trichlorofluoromethane	3.13	101	95816	20.640	ug/l	96
8) Diethyl Ether	3.54	74	38249	21.101	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	58665	21.284	ug/l	99
10) Methyl Iodide	4.10	142	73470	19.050	ug/l	100
11) Tert butyl alcohol	4.97	59	35990	111.275	ug/l	97
12) 1,1-Dichloroethene	3.88	96	57130	20.611	ug/l	95
13) Acrolein	3.74	56	34924	105.339	ug/l	98
14) Allyl chloride	4.48	41	84444	21.241	ug/l	99
15) Acrylonitrile	5.17	53	84057	102.791	ug/l	99
16) Acetone	3.96	43	66070	99.595	ug/l	92
17) Carbon Disulfide	4.19	76	176362	21.055	ug/l	99
18) Methyl Acetate	4.49	43	36995	21.676	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	156911	20.505	ug/l	99
20) Methylene Chloride	4.72	84	76135	23.484	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	64294	20.625	ug/l	95
22) Diisopropyl ether	6.13	45	173543	21.007	ug/l	96
23) Vinyl Acetate	6.07	43	569259	104.368	ug/l	98
24) 1,1-Dichloroethane	6.02	63	100889	20.876	ug/l	99
25) 2-Butanone	6.99	43	103618	100.254	ug/l	97
26) 2,2-Dichloropropane	6.99	77	94772	20.448	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	71445	20.473	ug/l	99
28) Bromochloromethane	7.33	49	44509	22.435	ug/l	99
29) Tetrahydrofuran	7.35	42	67474	100.364	ug/l	100
30) Chloroform	7.51	83	105399	20.553	ug/l	94
31) Cyclohexane	7.78	56	100420	20.929	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	97599	20.424	ug/l	99
36) 1,1-Dichloropropene	7.92	75	84971	21.026	ug/l	100
37) Ethyl Acetate	7.08	43	45765	20.814	ug/l	99
38) Carbon Tetrachloride	7.90	117	92124	20.520	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	110819	20.804	ug/l	98
40) Benzene	8.16	78	246820	20.669	ug/l	98
41) Methacrylonitrile	7.33	41	24603m	20.828	ug/l	
42) 1,2-Dichloroethane	8.24	62	68881	20.582	ug/l	98
43) Isopropyl Acetate	8.28	43	85568	20.536	ug/l	99
44) Trichloroethene	8.94	130	78644	20.850	ug/l	99
45) 1,2-Dichloropropane	9.22	63	60081	20.981	ug/l	96
46) Dibromomethane	9.31	93	34806	20.466	ug/l	99
47) Bromodichloromethane	9.50	83	81462	20.318	ug/l	96
48) Methyl methacrylate	9.29	41	37970	20.186	ug/l	99
49) 1,4-Dioxane	9.30	88	10300	394.432	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	223528	101.310	ug/l	100
52) Toluene	10.24	92	160923	20.600	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	90085	20.571	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	102910	20.739	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	53317	20.477	ug/l	97
56) Ethyl methacrylate	10.51	69	71385	20.469	ug/l	99
57) 1,3-Dichloropropane	10.79	76	87512	20.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	177132	103.948	ug/l	100
59) 2-Hexanone	10.83	43	159716	102.023	ug/l	100
60) Dibromochloromethane	10.99	129	66963	20.286	ug/l	100
61) 1,2-Dibromoethane	11.09	107	52338	20.378	ug/l	98
64) Tetrachloroethene	10.72	164	82616	20.420	ug/l	96
65) Chlorobenzene	11.52	112	179127	20.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68409	20.644	ug/l	99
67) Ethyl Benzene	11.59	91	316005	20.717	ug/l	99
68) m/p-Xylenes	11.70	106	244794	41.392	ug/l	99
69) o-Xylene	12.03	106	114330	20.478	ug/l	98
70) Styrene	12.04	104	200036	20.668	ug/l	100
71) Bromoform	12.20	173	45813	20.661	ug/l #	99
73) Isopropylbenzene	12.33	105	315978	20.489	ug/l	99
74) N-amyl acetate	12.14	43	80618	20.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55484	20.505	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	43970m	20.278	ug/l	
77) Bromobenzene	12.61	156	81531	20.304	ug/l	99
78) n-propylbenzene	12.67	91	370292	20.787	ug/l	100
79) 2-Chlorotoluene	12.75	91	205187	20.534	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	266012	20.659	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22964	19.952	ug/l	98
82) 4-Chlorotoluene	12.85	91	215089	20.544	ug/l	100
83) tert-Butylbenzene	13.07	119	236636	20.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	267373	20.651	ug/l	99
85) sec-Butylbenzene	13.25	105	328189	20.897	ug/l	100
86) p-Isopropyltoluene	13.37	119	306482	20.973	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	155891	20.495	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	155184	20.395	ug/l	99
89) n-Butylbenzene	13.70	91	276662	20.853	ug/l	99
90) Hexachloroethane	13.96	117	55583	20.317	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	142467	20.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10399	19.976	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	109712	21.100	ug/l	99
94) Hexachlorobutadiene	15.11	225	62420	21.166	ug/l	100
95) Naphthalene	15.23	128	210242	20.167	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	97371	20.971	ug/l	100

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

