

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003386.D
 Acq On : 31 Jul 2020 13:34
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY073120

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:37:33 PM

Quant Time: Aug 01 01:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	544817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	802214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	731486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	391891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	253372	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.72	113	236334	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.18	98	925447	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.48	95	318056	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	216215	48.466	ug/l	100
3) Chloromethane	2.12	50	288702	47.251	ug/l	99
4) Vinyl Chloride	2.26	62	307475	50.130	ug/l	99
5) Bromomethane	2.65	94	222303	49.063	ug/l	94
6) Chloroethane	2.80	64	192304	49.983	ug/l	97
7) Trichlorofluoromethane	3.13	101	417008	50.349	ug/l	99
8) Diethyl Ether	3.54	74	144795	50.206	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	253706	51.283	ug/l	99
10) Methyl Iodide	4.10	142	295228	51.405	ug/l	99
11) Tert butyl alcohol	4.96	59	130235	256.983	ug/l	98
12) 1,1-Dichloroethene	3.88	96	246991	51.466	ug/l	96
13) Acrolein	3.74	56	123862	227.183	ug/l	99
14) Allyl chloride	4.49	41	406161	50.530	ug/l	100
15) Acrylonitrile	5.17	53	364911	255.018	ug/l	100
16) Acetone	3.95	43	325757	254.516	ug/l	99
17) Carbon Disulfide	4.20	76	790390	50.520	ug/l	99
18) Methyl Acetate	4.48	43	161445	47.810	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	683794	51.543	ug/l	100
20) Methylene Chloride	4.72	84	311060	48.191	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	275368	50.757	ug/l	98
22) Diisopropyl ether	6.13	45	855687	50.669	ug/l	97
23) Vinyl Acetate	6.07	43	2886139	260.871	ug/l	99
24) 1,1-Dichloroethane	6.02	63	479331	50.649	ug/l	98
25) 2-Butanone	6.99	43	493601	253.067	ug/l	98
26) 2,2-Dichloropropane	6.99	77	435451	51.567	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	306663	51.440	ug/l	99
28) Bromochloromethane	7.34	49	180963	49.157	ug/l	98
29) Tetrahydrofuran	7.35	42	325420	255.717	ug/l	98
30) Chloroform	7.51	83	479516	51.084	ug/l	99
31) Cyclohexane	7.78	56	453530	49.391	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	434510	50.734	ug/l	99
36) 1,1-Dichloropropene	7.92	75	385285	50.753	ug/l	100
37) Ethyl Acetate	7.08	43	218653	50.654	ug/l	98
38) Carbon Tetrachloride	7.90	117	398469	51.010	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	480278	51.850	ug/l	98
40) Benzene	8.16	78	1068274	50.717	ug/l	100
41) Methacrylonitrile	7.33	41	125077m	50.544	ug/l	
42) 1,2-Dichloroethane	8.24	62	324675	50.612	ug/l	99
43) Isopropyl Acetate	8.27	43	418310	51.343	ug/l	99
44) Trichloroethene	8.94	130	305449	50.422	ug/l	99
45) 1,2-Dichloropropane	9.22	63	278678	50.522	ug/l	100
46) Dibromomethane	9.31	93	157603	50.926	ug/l	98
47) Bromodichloromethane	9.50	83	382712	51.320	ug/l	97
48) Methyl methacrylate	9.29	41	191288	52.014	ug/l	98
49) 1,4-Dioxane	9.30	88	41335	1031.963	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1097981	257.159	ug/l	100
52) Toluene	10.24	92	674571	51.064	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	409476	51.734	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	464022	51.731	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	218893	50.426	ug/l	97
56) Ethyl methacrylate	10.51	69	322551	53.673	ug/l	98
57) 1,3-Dichloropropane	10.79	76	386064	51.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	700872	251.790	ug/l	99
59) 2-Hexanone	10.83	43	778268	261.552	ug/l	99
60) Dibromochloromethane	10.99	129	280468	51.449	ug/l	98
61) 1,2-Dibromoethane	11.09	107	215250	51.184	ug/l	100
64) Tetrachloroethene	10.72	164	314718	51.465	ug/l	99
65) Chlorobenzene	11.52	112	744492	51.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	291127	52.143	ug/l	98
67) Ethyl Benzene	11.59	91	1348496	52.101	ug/l	100
68) m/p-Xylenes	11.70	106	1020227	104.558	ug/l	99
69) o-Xylene	12.03	106	476053	52.118	ug/l	99
70) Styrene	12.04	104	827115	52.922	ug/l	99
71) Bromoform	12.20	173	189186	52.143	ug/l	99
73) Isopropylbenzene	12.33	105	1312735	51.829	ug/l	100
74) N-amyl acetate	12.14	43	391498	52.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	258711	51.568	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	181108m	51.443	ug/l	
77) Bromobenzene	12.61	156	335840	52.186	ug/l	98
78) n-propylbenzene	12.67	91	1585134	52.291	ug/l	100
79) 2-Chlorotoluene	12.75	91	875747	52.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1106764	52.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	97193	52.212	ug/l	98
82) 4-Chlorotoluene	12.85	91	909934	52.063	ug/l	99
83) tert-Butylbenzene	13.07	119	989872	53.617	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1110253	51.945	ug/l	98
85) sec-Butylbenzene	13.25	105	1352779	52.677	ug/l	100
86) p-Isopropyltoluene	13.37	119	1265063	52.669	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	638474	51.940	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	629297	51.922	ug/l	99
89) n-Butylbenzene	13.69	91	1193075	52.562	ug/l	99
90) Hexachloroethane	13.96	117	241329	52.449	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	564968	52.065	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	41463	51.299	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	410840	53.427	ug/l	99
94) Hexachlorobutadiene	15.11	225	269305	52.882	ug/l	99
95) Naphthalene	15.23	128	710875	54.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	344677	55.403	ug/l	100

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

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