

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002697.D
 Acq On : 15 May 2020 14:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY051520

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:12 PM

Quant Time: May 16 04:55:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	363011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	534858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	486286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	252756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	149795	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.72	113	156367	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.18	98	631477	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.48	95	211649	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	127161	48.885	ug/l	98
3) Chloromethane	2.12	50	144380	48.465	ug/l	100
4) Vinyl Chloride	2.25	62	158638	51.103	ug/l	97
5) Bromomethane	2.65	94	118995	51.719	ug/l	100
6) Chloroethane	2.79	64	101373	51.067	ug/l	98
7) Trichlorofluoromethane	3.13	101	268851	51.391	ug/l	100
8) Diethyl Ether	3.53	74	91987	51.688	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	163352	51.511	ug/l	99
10) Methyl Iodide	4.10	142	227588	52.139	ug/l	100
11) Tert butyl alcohol	4.96	59	73005	253.164	ug/l	99
12) 1,1-Dichloroethene	3.88	96	163571	51.371	ug/l	98
13) Acrolein	3.74	56	82150	242.884	ug/l	99
14) Allyl chloride	4.49	41	237738	52.007	ug/l	99
15) Acrylonitrile	5.17	53	213087	264.437	ug/l	99
16) Acetone	3.96	43	168505	287.870	ug/l	97
17) Carbon Disulfide	4.20	76	512134	51.276	ug/l	99
18) Methyl Acetate	4.49	43	87731	52.566	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	411215	52.066	ug/l	98
20) Methylene Chloride	4.72	84	179933	50.853	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	180535	50.989	ug/l	99
22) Diisopropyl ether	6.13	45	467312	51.526	ug/l	99
23) Vinyl Acetate	6.07	43	1538072	264.851	ug/l	99
24) 1,1-Dichloroethane	6.03	63	277846	51.269	ug/l	100
25) 2-Butanone	6.99	43	255936	264.263	ug/l	100
26) 2,2-Dichloropropane	6.99	77	258809	51.326	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	197222	51.551	ug/l	100
28) Bromochloromethane	7.34	49	103814	48.424	ug/l	99
29) Tetrahydrofuran	7.35	42	175241	265.939	ug/l	99
30) Chloroform	7.52	83	289253	51.426	ug/l	100
31) Cyclohexane	7.78	56	269865	49.097	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	269185	51.794	ug/l	100
36) 1,1-Dichloropropene	7.93	75	234988	51.898	ug/l	100
37) Ethyl Acetate	7.08	43	118260	53.103	ug/l	99
38) Carbon Tetrachloride	7.91	117	256363	52.681	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	312552	51.337	ug/l	99
40) Benzene	8.16	78	680916	51.540	ug/l	100
41) Methacrylonitrile	7.33	41	73659m	55.053	ug/l	
42) 1,2-Dichloroethane	8.24	62	180278	51.738	ug/l	99
43) Isopropyl Acetate	8.28	43	221661	53.558	ug/l	99
44) Trichloroethene	8.94	130	216531	51.418	ug/l	100
45) 1,2-Dichloropropane	9.22	63	161962	51.654	ug/l	99
46) Dibromomethane	9.31	93	91340	51.850	ug/l	99
47) Bromodichloromethane	9.50	83	224081	52.120	ug/l	100
48) Methyl methacrylate	9.30	41	101556	53.293	ug/l	98
49) 1,4-Dioxane	9.30	88	26250	1094.089	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	581864	272.303	ug/l	99
52) Toluene	10.24	92	438310	51.267	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	241911	52.717	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	278127	52.281	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	134977	51.466	ug/l	99
56) Ethyl methacrylate	10.51	69	188440	53.971	ug/l	99
57) 1,3-Dichloropropane	10.79	76	229621	52.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	443465	257.282	ug/l	100
59) 2-Hexanone	10.83	43	410410	275.679	ug/l	99
60) Dibromochloromethane	10.99	129	176430	52.658	ug/l	99
61) 1,2-Dibromoethane	11.09	107	134942	52.224	ug/l	100
64) Tetrachloroethene	10.72	164	236438	51.214	ug/l	97
65) Chlorobenzene	11.52	112	487601	51.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	182016	52.191	ug/l	100
67) Ethyl Benzene	11.59	91	864720	52.410	ug/l	100
68) m/p-Xylenes	11.70	106	667278	103.954	ug/l	100
69) o-Xylene	12.03	106	315609	52.386	ug/l	97
70) Styrene	12.04	104	542971	52.492	ug/l	99
71) Bromoform	12.20	173	116131	53.870	ug/l #	99
73) Isopropylbenzene	12.33	105	854646	51.748	ug/l	100
74) N-amyl acetate	12.14	43	211095	54.469	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	132614	54.528	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	106682m	51.381	ug/l	
77) Bromobenzene	12.61	156	213544	51.717	ug/l	100
78) n-propylbenzene	12.67	91	999716	52.034	ug/l	100
79) 2-Chlorotoluene	12.75	91	547078	51.339	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	720291	51.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59871	54.534	ug/l #	77
82) 4-Chlorotoluene	12.85	91	574360	51.456	ug/l	99
83) tert-Butylbenzene	13.08	119	636776	51.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	717256	51.717	ug/l	99
85) sec-Butylbenzene	13.25	105	874583	51.605	ug/l	100
86) p-Isopropyltoluene	13.37	119	821856	51.808	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	408832	51.354	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	406897	51.338	ug/l	100
89) n-Butylbenzene	13.69	91	753508	51.724	ug/l	100
90) Hexachloroethane	13.96	117	150645	51.272	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	368988	51.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25378	54.414	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	272739	53.221	ug/l	100
94) Hexachlorobutadiene	15.11	225	162504	53.142	ug/l	99
95) Naphthalene	15.23	128	504890	51.346	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	232205	53.233	ug/l	100

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

