

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002516.D
 Acq On : 30 Apr 2020 16:48
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY043020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:15 PM

Quant Time: May 04 12:32:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	370724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	545344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	499078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	256225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	169400	54.35	ug/l	-0.01
Spiked Amount						
			Recovery	=		108.70%
35) Dibromofluoromethane	7.73	113	172550	55.33	ug/l	0.00
Spiked Amount						
			Recovery	=		110.66%
50) Toluene-d8	10.18	98	679167	55.76	ug/l	-0.01
Spiked Amount						
			Recovery	=		111.52%
62) 4-Bromofluorobenzene	12.49	95	230362	55.74	ug/l	0.00
Spiked Amount						
			Recovery	=		111.48%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	162160	52.832	ug/l	96
3) Chloromethane	2.11	50	162865	54.224	ug/l	98
4) Vinyl Chloride	2.26	62	189693	54.695	ug/l	99
5) Bromomethane	2.66	94	128912	53.899	ug/l	99
6) Chloroethane	2.80	64	111725	53.951	ug/l	96
7) Trichlorofluoromethane	3.13	101	288930	53.753	ug/l	99
8) Diethyl Ether	3.54	74	94547	52.343	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	174072	52.988	ug/l	99
10) Methyl Iodide	4.10	142	247098	55.209	ug/l	99
11) Tert butyl alcohol	4.97	59	72190	225.103	ug/l	99
12) 1,1-Dichloroethene	3.88	96	170515	53.430	ug/l	97
13) Acrolein	3.74	56	63546	286.549	ug/l	95
14) Allyl chloride	4.49	41	248639	53.472	ug/l	99
15) Acrylonitrile	5.18	53	217278	255.074	ug/l	100
16) Acetone	3.96	43	163437	254.059	ug/l	95
17) Carbon Disulfide	4.21	76	535214	55.746	ug/l	100
18) Methyl Acetate	4.49	43	105834	49.238	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	431198	51.788	ug/l	98
20) Methylene Chloride	4.73	84	181244	50.382	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	187254	53.683	ug/l	96
22) Diisopropyl ether	6.14	45	496693	52.792	ug/l	94
23) Vinyl Acetate	6.08	43	1568123	265.022	ug/l	100
24) 1,1-Dichloroethane	6.03	63	294574	52.924	ug/l	100
25) 2-Butanone	7.00	43	262545	249.319	ug/l	95
26) 2,2-Dichloropropane	7.00	77	269524	50.943	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	204044	52.867	ug/l	99
28) Bromochloromethane	7.35	49	125648	55.096	ug/l	100
29) Tetrahydrofuran	7.36	42	176306	253.053	ug/l	100
30) Chloroform	7.52	83	302787	52.318	ug/l	98
31) Cyclohexane	7.80	56	285652	50.985	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	284456	52.880	ug/l	100
36) 1,1-Dichloropropene	7.92	75	244750	53.536	ug/l	100
37) Ethyl Acetate	7.08	43	119702	50.953	ug/l	100
38) Carbon Tetrachloride	7.91	117	264713	53.036	ug/l	99

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39) Methylcyclohexane	9.19	83	327327	54.209	ug/l	99
40) Benzene	8.17	78	707752	53.602	ug/l	100
41) Methacrylonitrile	7.34	41	74339m	58.853	ug/l	
42) 1,2-Dichloroethane	8.25	62	193497	52.244	ug/l	100
43) Isopropyl Acetate	8.28	43	227244	51.597	ug/l	100
44) Trichloroethene	8.95	130	218489	52.949	ug/l	98
45) 1,2-Dichloropropane	9.22	63	167896	52.686	ug/l	99
46) Dibromomethane	9.31	93	94873	51.744	ug/l	98
47) Bromodichloromethane	9.50	83	236448	53.036	ug/l	99
48) Methyl methacrylate	9.30	41	103202	51.777	ug/l	99
49) 1,4-Dioxane	9.30	88	25168	1036.734	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	580495	255.713	ug/l	100
52) Toluene	10.25	92	450861	53.131	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	248796	53.263	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	287867	53.308	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	138993	51.984	ug/l	98
56) Ethyl methacrylate	10.51	69	191080	53.720	ug/l	99
57) 1,3-Dichloropropane	10.80	76	234984	51.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	477426	254.524	ug/l	100
59) 2-Hexanone	10.83	43	399869	255.926	ug/l	100
60) Dibromochloromethane	10.99	129	180422	53.055	ug/l	100
61) 1,2-Dibromoethane	11.09	107	138075	52.153	ug/l	100
64) Tetrachloroethene	10.72	164	230405	51.960	ug/l	98
65) Chlorobenzene	11.52	112	496771	52.361	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	186885	53.066	ug/l	99
67) Ethyl Benzene	11.59	91	883254	52.999	ug/l	100
68) m/p-Xylenes	11.70	106	684480	106.150	ug/l	100
69) o-Xylene	12.03	106	320695	53.116	ug/l	99
70) Styrene	12.05	104	550301	53.316	ug/l	100
71) Bromoform	12.21	173	114821	52.529	ug/l	99
73) Isopropylbenzene	12.33	105	877655	52.852	ug/l	100
74) N-amyl acetate	12.14	43	206867	51.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	135033	51.131	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	118099m	51.866	ug/l	
77) Bromobenzene	12.61	156	217415	52.404	ug/l	99
78) n-propylbenzene	12.67	91	1021538	53.010	ug/l	99
79) 2-Chlorotoluene	12.76	91	559331	52.398	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	728677	52.937	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	57826	50.924	ug/l	100
82) 4-Chlorotoluene	12.86	91	587963	52.437	ug/l	99
83) tert-Butylbenzene	13.08	119	642737	53.253	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	730668	53.262	ug/l	100
85) sec-Butylbenzene	13.25	105	891066	53.205	ug/l	99
86) p-Isopropyltoluene	13.37	119	837950	53.398	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	411462	52.400	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	413893	53.232	ug/l	100
89) n-Butylbenzene	13.70	91	757573	53.030	ug/l	99
90) Hexachloroethane	13.96	117	151450	52.996	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	370452	52.872	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24852	50.483	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.01	180	268668	52.815	ug/l	100
94) Hexachlorobutadiene	15.11	225	162105	53.089	ug/l	99
95) Naphthalene	15.23	128	492237	53.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	230405	53.354	ug/l	99

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

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