

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002693.D
 Acq On : 15 May 2020 12:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:04 PM

Quant Time: May 15 13:10:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	368444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	543795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	54405	17.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.32%	
35) Dibromofluoromethane	7.72	113	58293	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	10.18	98	234069	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
62) 4-Bromofluorobenzene	12.48	95	80208	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	56470	21.224	ug/l	98
3) Chloromethane	2.12	50	63888	21.957	ug/l	100
4) Vinyl Chloride	2.25	62	66694	20.103	ug/l	99
5) Bromomethane	2.64	94	45976	19.576	ug/l	92
6) Chloroethane	2.79	64	41159	20.327	ug/l	98
7) Trichlorofluoromethane	3.13	101	106626	20.174	ug/l	94
8) Diethyl Ether	3.53	74	35295	19.670	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65414	20.252	ug/l	99
10) Methyl Iodide	4.10	142	89253	20.245	ug/l	100
11) Tert butyl alcohol	4.96	59	27040	85.694	ug/l	98
12) 1,1-Dichloroethene	3.88	96	64845	20.522	ug/l	96
13) Acrolein	3.74	56	33866	142.111	ug/l	99
14) Allyl chloride	4.49	41	93129	20.306	ug/l	99
15) Acrylonitrile	5.18	53	76796	91.085	ug/l	97
16) Acetone	3.96	43	53379	84.321	ug/l	96
17) Carbon Disulfide	4.19	76	204407	21.491	ug/l	99
18) Methyl Acetate	4.49	43	32189	15.543	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	155475	18.915	ug/l	99
20) Methylene Chloride	4.72	84	73518	20.550	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	72039	20.787	ug/l	97
22) Diisopropyl ether	6.13	45	186145	20.020	ug/l	97
23) Vinyl Acetate	6.07	43	577830	98.588	ug/l	99
24) 1,1-Dichloroethane	6.03	63	111619	20.315	ug/l	99
25) 2-Butanone	6.99	43	91493	88.445	ug/l	98
26) 2,2-Dichloropropane	6.99	77	102494	19.673	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	78873	20.545	ug/l	99
28) Bromochloromethane	7.34	49	45088	20.101	ug/l	99
29) Tetrahydrofuran	7.35	42	63801	92.775	ug/l	98
30) Chloroform	7.52	83	114744	20.001	ug/l	99
31) Cyclohexane	7.79	56	111638	20.151	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	106725	20.088	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92430	20.397	ug/l	99
37) Ethyl Acetate	7.08	43	42751	18.315	ug/l	100
38) Carbon Tetrachloride	7.91	117	100364	20.276	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	124002	20.637	ug/l	97
40) Benzene	8.17	78	271649	20.637	ug/l	99
41) Methacrylonitrile	7.33	41	25689m	20.486	ug/l	
42) 1,2-Dichloroethane	8.24	62	69785	19.137	ug/l	100
43) Isopropyl Acetate	8.28	43	80582	18.460	ug/l	98
44) Trichloroethene	8.94	130	85899	20.785	ug/l	97
45) 1,2-Dichloropropane	9.22	63	63782	20.176	ug/l	99
46) Dibromomethane	9.31	93	34948	19.208	ug/l	98
47) Bromodichloromethane	9.50	83	87061	19.660	ug/l	96
48) Methyl methacrylate	9.30	41	36252	18.375	ug/l	98
49) 1,4-Dioxane	9.30	88	9496	395.036	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	206738	92.215	ug/l	99
52) Toluene	10.24	92	175670	20.765	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	91886	19.816	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	108438	20.166	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	53014	19.974	ug/l	99
56) Ethyl methacrylate	10.51	69	69278	19.588	ug/l	99
57) 1,3-Dichloropropane	10.79	76	88272	19.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	167742	89.616	ug/l	99
59) 2-Hexanone	10.83	43	142808	92.505	ug/l	98
60) Dibromochloromethane	10.99	129	66931	19.734	ug/l	99
61) 1,2-Dibromoethane	11.09	107	51480	19.514	ug/l	99
64) Tetrachloroethene	10.72	164	95102	21.437	ug/l	96
65) Chlorobenzene	11.52	112	193098	20.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	70405	20.157	ug/l	98
67) Ethyl Benzene	11.59	91	340089	20.611	ug/l	100
68) m/p-Xylenes	11.70	106	264383	41.342	ug/l	99
69) o-Xylene	12.03	106	124440	20.729	ug/l	99
70) Styrene	12.04	104	212337	20.715	ug/l	99
71) Bromoform	12.20	173	43247	19.961	ug/l #	99
73) Isopropylbenzene	12.33	105	340044	20.321	ug/l	100
74) N-amyl acetate	12.14	43	75252	18.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	47811	18.213	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	40938m	18.188	ug/l	
77) Bromobenzene	12.61	156	83213	19.907	ug/l	98
78) n-propylbenzene	12.67	91	399447	20.571	ug/l	99
79) 2-Chlorotoluene	12.75	91	218360	20.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	284723	20.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21427	18.850	ug/l #	78
82) 4-Chlorotoluene	12.85	91	226338	20.052	ug/l	100
83) tert-Butylbenzene	13.08	119	252994	20.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	287699	20.773	ug/l	98
85) sec-Butylbenzene	13.25	105	348574	20.637	ug/l	100
86) p-Isopropyltoluene	13.37	119	327758	20.708	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	164226	20.711	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	161924	20.640	ug/l	99
89) n-Butylbenzene	13.69	91	297070	20.590	ug/l	100
90) Hexachloroethane	13.96	117	59286	20.490	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	144273	20.398	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8750	17.773	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	108447	21.021	ug/l	99
94) Hexachlorobutadiene	15.11	225	66921	21.572	ug/l	100
95) Naphthalene	15.23	128	184329	19.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	90665	20.730	ug/l	100

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

