

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001637.D
 Acq On : 17 Feb 2020 10:46
 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
 2/19/2020 10:49:55 AM

Quant Time: Feb 17 12:12:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	342366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	147919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	38921	19.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.24%	
35) Dibromofluoromethane	7.75	113	40295	20.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.98%	
50) Toluene-d8	10.19	98	137211	18.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.66%	
62) 4-Bromofluorobenzene	12.49	95	62512	21.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	36063	18.804	ug/l	97
3) Chloromethane	2.13	50	49813	23.814	ug/l	100
4) Vinyl Chloride	2.26	62	51365	23.828	ug/l	95
5) Bromomethane	2.66	94	32683	24.200	ug/l	98
6) Chloroethane	2.80	64	33068	25.439	ug/l	98
7) Trichlorofluoromethane	3.15	101	67239	19.788	ug/l	99
8) Diethyl Ether	3.55	74	26464	22.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42311	20.560	ug/l	96
10) Methyl Iodide	4.12	142	52366	20.003	ug/l	98
11) Tert butyl alcohol	5.00	59	29936	97.438	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	43363	21.166	ug/l	97
13) Acrolein	3.75	56	22081	116.345	ug/l	99
14) Allyl chloride	4.52	41	77657	23.990	ug/l	99
15) Acrylonitrile	5.20	53	66862	119.967	ug/l	99
16) Acetone	3.97	43	61109	99.607	ug/l	95
17) Carbon Disulfide	4.22	76	142701	21.657	ug/l	99
18) Methyl Acetate	4.51	43	31032	24.199	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	119077	21.531	ug/l	99
20) Methylene Chloride	4.75	84	52235	20.448	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	49720	21.699	ug/l	97
22) Diisopropyl ether	6.15	45	157615	24.428	ug/l	99
23) Vinyl Acetate	6.10	43	504938	121.532	ug/l	99
24) 1,1-Dichloroethane	6.05	63	84930	22.386	ug/l	99
25) 2-Butanone	7.02	43	88915	111.617	ug/l	99
26) 2,2-Dichloropropane	7.02	77	74164	20.753	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	55712	22.214	ug/l	97
28) Bromochloromethane	7.36	49	32929	24.593	ug/l	100
29) Tetrahydrofuran	7.38	42	57827	122.295	ug/l	98
30) Chloroform	7.53	83	81867	21.519	ug/l	95
31) Cyclohexane	7.81	56	88276	22.653	ug/l	93
32) 1,1,1-Trichloroethane	7.73	97	69994	20.528	ug/l	99
36) 1,1-Dichloropropene	7.94	75	68109	21.634	ug/l	99
37) Ethyl Acetate	7.10	43	38898	24.296	ug/l	99
38) Carbon Tetrachloride	7.92	117	60028	20.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	88901	21.473	ug/l	96
40) Benzene	8.19	78	201532	22.320	ug/l	98
41) Methacrylonitrile	7.35	41	20395m	28.452	ug/l	
42) 1,2-Dichloroethane	8.26	62	55226	21.921	ug/l	99
43) Isopropyl Acetate	8.30	43	75264	23.829	ug/l	99
44) Trichloroethene	8.96	130	50048	20.827	ug/l	97
45) 1,2-Dichloropropane	9.24	63	51158	23.290	ug/l	99
46) Dibromomethane	9.32	93	25671	20.990	ug/l	97
47) Bromodichloromethane	9.51	83	63078	21.267	ug/l	98
48) Methyl methacrylate	9.31	41	33411	23.361	ug/l	97
49) 1,4-Dioxane	9.31	88	7141	433.516	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	188818	120.038	ug/l	99
52) Toluene	10.25	92	124756	21.773	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	69215	21.226	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	80073	21.513	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	38243	21.651	ug/l	99
56) Ethyl methacrylate	10.52	69	55560	21.817	ug/l	97
57) 1,3-Dichloropropane	10.80	76	67833	21.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	136880	148.639	ug/l	99
59) 2-Hexanone	10.85	43	138133	118.972	ug/l	97
60) Dibromochloromethane	10.99	129	42222	20.506	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35624	20.594	ug/l	99
64) Tetrachloroethene	10.73	164	40366	20.320	ug/l	98
65) Chlorobenzene	11.52	112	128543	21.384	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	44037	21.009	ug/l	97
67) Ethyl Benzene	11.60	91	240787	21.612	ug/l	99
68) m/p-Xylenes	11.71	106	180747	43.191	ug/l	99
69) o-Xylene	12.03	106	84948	21.510	ug/l	97
70) Styrene	12.05	104	147698	21.573	ug/l	100
71) Bromoform	12.21	173	23960	20.284	ug/l #	100
73) Isopropylbenzene	12.34	105	230745	20.567	ug/l	100
74) N-amyl acetate	12.15	43	71555	23.347	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	46798	21.238	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32979m	20.800	ug/l	
77) Bromobenzene	12.61	156	50671	20.873	ug/l	95
78) n-propylbenzene	12.67	91	281396	20.824	ug/l	100
79) 2-Chlorotoluene	12.76	91	158313	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	190826	20.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17627	20.820	ug/l #	92
82) 4-Chlorotoluene	12.86	91	165628	20.490	ug/l	99
83) tert-Butylbenzene	13.08	119	163729	20.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	191847	20.481	ug/l	100
85) sec-Butylbenzene	13.26	105	235809	20.916	ug/l	100
86) p-Isopropyltoluene	13.38	119	209437	21.095	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	99062	21.151	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	99172	21.147	ug/l	100
89) n-Butylbenzene	13.70	91	211592	21.467	ug/l	99
90) Hexachloroethane	13.97	117	37672	19.803	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	90988	21.405	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7878	19.681	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	60117	20.981	ug/l	98
94) Hexachlorobutadiene	15.11	225	29998	20.846	ug/l	98
95) Naphthalene	15.23	128	134911	19.847	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	52626	20.749	ug/l	99

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

