

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001636.D
 Acq On : 17 Feb 2020 10:24
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:47 AM

Quant Time: Feb 17 12:10:59 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	7.81	168	204042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	361257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	324648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	151891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	20494	9.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.70%	
35) Dibromofluoromethane	7.74	113	20501	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	10.19	98	69849	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	
62) 4-Bromofluorobenzene	12.49	95	30578	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	18598	9.251	ug/l	99
3) Chloromethane	2.13	50	27222	12.414	ug/l	100
4) Vinyl Chloride	2.26	62	27239	12.054	ug/l	96
5) Bromomethane	2.66	94	18146	12.817	ug/l	100
6) Chloroethane	2.81	64	17006	12.479	ug/l	96
7) Trichlorofluoromethane	3.15	101	35662	10.011	ug/l	94
8) Diethyl Ether	3.55	74	13787	11.156	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	21761	10.087	ug/l	98
10) Methyl Iodide	4.12	142	25493	9.289	ug/l	99
11) Tert butyl alcohol	4.99	59	17645	54.785	ug/l	97
12) 1,1-Dichloroethene	3.90	96	23133	10.771	ug/l	93
13) Acrolein	3.76	56	11007	55.322	ug/l	99
14) Allyl chloride	4.51	41	40585	11.960	ug/l	98
15) Acrylonitrile	5.19	53	35202	60.249	ug/l	100
16) Acetone	3.97	43	34075	52.981	ug/l	95
17) Carbon Disulfide	4.22	76	74466	10.780	ug/l	97
18) Methyl Acetate	4.51	43	16719	12.437	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	62078	10.707	ug/l	95
20) Methylene Chloride	4.75	84	28750	10.736	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	25478	10.607	ug/l	96
22) Diisopropyl ether	6.15	45	82029	12.127	ug/l	93
23) Vinyl Acetate	6.09	43	266831	61.262	ug/l	100
24) 1,1-Dichloroethane	6.05	63	43754	11.001	ug/l	98
25) 2-Butanone	7.01	43	49503	59.278	ug/l	97
26) 2,2-Dichloropropane	7.00	77	38917	10.388	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	28549	10.858	ug/l	99
28) Bromochloromethane	7.36	49	17128	12.202	ug/l	100
29) Tetrahydrofuran	7.37	42	31203	62.948	ug/l	99
30) Chloroform	7.53	83	43763	10.973	ug/l	95
31) Cyclohexane	7.80	56	48111	11.777	ug/l #	93
32) 1,1,1-Trichloroethane	7.72	97	36044	10.084	ug/l	98
36) 1,1-Dichloropropene	7.94	75	35173	10.588	ug/l	98
37) Ethyl Acetate	7.10	43	21411	12.674	ug/l	97
38) Carbon Tetrachloride	7.93	117	30575	9.663	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	46813	10.716	ug/l	96
40) Benzene	8.18	78	103488	10.862	ug/l	99
41) Methacrylonitrile	7.34	41	11409m	15.084	ug/l	
42) 1,2-Dichloroethane	8.25	62	28369	10.672	ug/l	99
43) Isopropyl Acetate	8.29	43	40048	12.017	ug/l	99
44) Trichloroethene	8.96	130	26035	10.267	ug/l	94
45) 1,2-Dichloropropane	9.23	63	25423	10.969	ug/l	97
46) Dibromomethane	9.32	93	13615	10.550	ug/l	99
47) Bromodichloromethane	9.51	83	31971	10.216	ug/l	100
48) Methyl methacrylate	9.31	41	17604	11.665	ug/l	96
49) 1,4-Dioxane	9.31	88	3618	208.156	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	102664	61.854	ug/l	98
52) Toluene	10.25	92	64835	10.724	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	35206	10.232	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	40821	10.394	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	20232	10.855	ug/l	99
56) Ethyl methacrylate	10.52	69	28762	10.703	ug/l	97
57) 1,3-Dichloropropane	10.80	76	35652	10.816	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	75400	77.596	ug/l	100
59) 2-Hexanone	10.84	43	73992	60.396	ug/l	100
60) Dibromochloromethane	10.99	129	21574	9.930	ug/l	97
61) 1,2-Dibromoethane	11.10	107	18644	10.214	ug/l	99
64) Tetrachloroethene	10.73	164	21488	10.218	ug/l	97
65) Chlorobenzene	11.52	112	66760	10.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	23030	10.378	ug/l	100
67) Ethyl Benzene	11.60	91	123013	10.429	ug/l	99
68) m/p-Xylenes	11.71	106	93215	21.040	ug/l	97
69) o-Xylene	12.03	106	43490	10.402	ug/l	98
70) Styrene	12.05	104	74862	10.328	ug/l	99
71) Bromoform	12.22	173	12177	9.737	ug/l #	100
73) Isopropylbenzene	12.34	105	117751	10.221	ug/l	99
74) N-amyl acetate	12.15	43	37029	11.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	24678	10.906	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	18345m	11.268	ug/l	
77) Bromobenzene	12.61	156	25787	10.345	ug/l	99
78) n-propylbenzene	12.68	91	143029	10.308	ug/l	100
79) 2-Chlorotoluene	12.76	91	80041	10.166	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	97987	10.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	8474	9.747	ug/l	88
82) 4-Chlorotoluene	12.86	91	83255	10.030	ug/l	97
83) tert-Butylbenzene	13.08	119	82453	10.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	97170	10.102	ug/l	99
85) sec-Butylbenzene	13.26	105	119036	10.282	ug/l	100
86) p-Isopropyltoluene	13.38	119	107752	10.569	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	51671	10.744	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	51034	10.598	ug/l	99
89) n-Butylbenzene	13.70	91	105687	10.442	ug/l	99
90) Hexachloroethane	13.97	117	19334	9.898	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	46262	10.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	3993	9.714	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	31186	10.599	ug/l	99
94) Hexachlorobutadiene	15.12	225	15877	10.744	ug/l	98
95) Naphthalene	15.24	128	68254	9.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	27085	10.400	ug/l	97

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

