

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003158.D
 Acq On : 10 Jul 2020 11:53
 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
 7/13/2020 10:47:35 AM

Quant Time: Jul 10 13:01:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	485568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	705779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	649672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	345172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	84656	18.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.52%	
35) Dibromofluoromethane	7.72	113	82385	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
50) Toluene-d8	10.18	98	309738	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	
62) 4-Bromofluorobenzene	12.48	95	109739	19.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	83061	23.324	ug/l	97
3) Chloromethane	2.12	50	106151	20.056	ug/l	99
4) Vinyl Chloride	2.26	62	107914	21.013	ug/l	98
5) Bromomethane	2.63	94	79354	22.443	ug/l	96
6) Chloroethane	2.79	64	70575	21.451	ug/l	98
7) Trichlorofluoromethane	3.13	101	151731	20.899	ug/l	98
8) Diethyl Ether	3.54	74	49918	20.082	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	90276	20.747	ug/l	99
10) Methyl Iodide	4.10	142	93726	17.651	ug/l	99
11) Tert butyl alcohol	4.96	59	46305	97.466	ug/l	99
12) 1,1-Dichloroethene	3.88	96	85605	20.678	ug/l	95
13) Acrolein	3.74	56	41149	96.010	ug/l	99
14) Allyl chloride	4.49	41	125228	17.657	ug/l	99
15) Acrylonitrile	5.18	53	118671	93.736	ug/l	99
16) Acetone	3.95	43	94656	87.307	ug/l	100
17) Carbon Disulfide	4.20	76	263458	20.034	ug/l	98
18) Methyl Acetate	4.48	43	52136	17.698	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	236981	19.781	ug/l	99
20) Methylene Chloride	4.72	84	114106	18.229	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	96380	20.494	ug/l	99
22) Diisopropyl ether	6.13	45	276996	18.117	ug/l	97
23) Vinyl Acetate	6.07	43	917194	90.144	ug/l	100
24) 1,1-Dichloroethane	6.02	63	161745	19.229	ug/l	99
25) 2-Butanone	6.99	43	154355	89.082	ug/l	96
26) 2,2-Dichloropropane	6.99	77	146280	19.148	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	104690	19.888	ug/l	99
28) Bromochloromethane	7.34	49	70479	19.090	ug/l	97
29) Tetrahydrofuran	7.35	42	105856	91.705	ug/l	99
30) Chloroform	7.52	83	165702	19.795	ug/l	98
31) Cyclohexane	7.79	56	155594	18.795	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	149534	19.610	ug/l	100
36) 1,1-Dichloropropene	7.92	75	132912	19.880	ug/l	100
37) Ethyl Acetate	7.08	43	71543	18.166	ug/l	100
38) Carbon Tetrachloride	7.91	117	137963	19.826	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	168733	20.356	ug/l	96
40) Benzene	8.17	78	367701	20.079	ug/l	98
41) Methacrylonitrile	7.33	41	43983m	20.957	ug/l	
42) 1,2-Dichloroethane	8.24	62	113557	19.735	ug/l	99
43) Isopropyl Acetate	8.28	43	136326	18.199	ug/l	100
44) Trichloroethene	8.94	130	113308	21.107	ug/l	97
45) 1,2-Dichloropropane	9.22	63	93739	19.110	ug/l	95
46) Dibromomethane	9.31	93	55350	20.083	ug/l	99
47) Bromodichloromethane	9.50	83	132147	19.676	ug/l	100
48) Methyl methacrylate	9.30	41	60011	17.599	ug/l	98
49) 1,4-Dioxane	9.30	88	13385	393.261	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	355168	91.550	ug/l	100
52) Toluene	10.24	92	233820	20.213	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	134794	19.176	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	155908	19.394	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	77843	20.398	ug/l	97
56) Ethyl methacrylate	10.51	69	105557	19.217	ug/l	100
57) 1,3-Dichloropropane	10.79	76	132166	19.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	266457	95.684	ug/l	99
59) 2-Hexanone	10.83	43	249329	92.059	ug/l	99
60) Dibromochloromethane	10.99	129	96283	19.667	ug/l	98
61) 1,2-Dibromoethane	11.09	107	77832	20.607	ug/l	100
64) Tetrachloroethene	10.72	164	122072	22.297	ug/l	99
65) Chlorobenzene	11.52	112	262015	20.701	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	99769	20.255	ug/l	99
67) Ethyl Benzene	11.59	91	460957	19.951	ug/l	100
68) m/p-Xylenes	11.70	106	350675	40.803	ug/l	100
69) o-Xylene	12.03	106	163946	20.225	ug/l	100
70) Styrene	12.04	104	280220	20.228	ug/l	99
71) Bromoform	12.20	173	65755	20.091	ug/l #	99
73) Isopropylbenzene	12.33	105	454287	20.336	ug/l	100
74) N-amyl acetate	12.14	43	129001	18.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	88423	19.775	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	64284m	19.373	ug/l	
77) Bromobenzene	12.61	156	116443	20.354	ug/l	98
78) n-propylbenzene	12.67	91	542716	20.250	ug/l	100
79) 2-Chlorotoluene	12.75	91	304288	20.346	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	382676	20.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	31787	18.617	ug/l	98
82) 4-Chlorotoluene	12.85	91	313752	20.161	ug/l	99
83) tert-Butylbenzene	13.07	119	340540	20.692	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	387216	20.517	ug/l	99
85) sec-Butylbenzene	13.25	105	468798	20.690	ug/l	100
86) p-Isopropyltoluene	13.37	119	436362	20.758	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	221792	20.759	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	224667	21.330	ug/l	100
89) n-Butylbenzene	13.69	91	412653	20.573	ug/l	99
90) Hexachloroethane	13.96	117	77516	18.772	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	196860	20.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14503	18.736	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	143899	20.427	ug/l	99
94) Hexachlorobutadiene	15.11	225	96528	21.469	ug/l	100
95) Naphthalene	15.23	128	231086	18.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	112111	18.659	ug/l	99

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

