

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001485.D
 Acq On : 04 Feb 2020 14:21
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:46 PM

Quant Time: Feb 04 14:48:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	232825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	406962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	355183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	238279	95.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.88%	
35) Dibromofluoromethane	7.74	113	232290	97.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.64%	
50) Toluene-d8	10.19	98	924223	100.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.70%	
62) 4-Bromofluorobenzene	12.49	95	332791	91.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	234806	122.136	ug/l	98
3) Chloromethane	2.13	50	237506	87.140	ug/l	97
4) Vinyl Chloride	2.26	62	252156	88.913	ug/l	99
5) Bromomethane	2.66	94	153865	80.721	ug/l	99
6) Chloroethane	2.80	64	149733	83.262	ug/l	96
7) Trichlorofluoromethane	3.14	101	408563	108.178	ug/l	100
8) Diethyl Ether	3.55	74	137466	89.580	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	245796	103.268	ug/l	99
10) Methyl Iodide	4.11	142	331469	106.426	ug/l	99
11) Tert butyl alcohol	4.99	59	117556	313.273	ug/l	100
12) 1,1-Dichloroethene	3.90	96	245390	98.829	ug/l	97
13) Acrolein	3.76	56	103057	473.887	ug/l	98
14) Allyl chloride	4.51	41	378501	87.833	ug/l	100
15) Acrylonitrile	5.20	53	303707	394.103	ug/l	100
16) Acetone	3.97	43	311650	429.196	ug/l	100
17) Carbon Disulfide	4.22	76	790860	100.934	ug/l	99
18) Methyl Acetate	4.51	43	135771	66.965	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	637248	89.565	ug/l	100
20) Methylene Chloride	4.75	84	262446	68.035	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	273735	95.792	ug/l	99
22) Diisopropyl ether	6.15	45	746133	82.158	ug/l	99
23) Vinyl Acetate	6.10	43	2365100	403.739	ug/l	98
24) 1,1-Dichloroethane	6.05	63	446389	91.611	ug/l	98
25) 2-Butanone	7.02	43	409435	384.284	ug/l	98
26) 2,2-Dichloropropane	7.01	77	409457	93.359	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	297706	93.765	ug/l	100
28) Bromochloromethane	7.36	49	169759	86.349	ug/l	99
29) Tetrahydrofuran	7.37	42	247098	360.955	ug/l	99
30) Chloroform	7.54	83	455922	94.660	ug/l	99
31) Cyclohexane	7.81	56	436390	89.691	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	414569	100.970	ug/l	100
36) 1,1-Dichloropropene	7.94	75	366055	94.926	ug/l	100
37) Ethyl Acetate	7.10	43	170759	75.744	ug/l	98
38) Carbon Tetrachloride	7.93	117	361535	103.830	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	488737	98.527	ug/l	97
40) Benzene	8.18	78	1050003	91.693	ug/l	99
41) Methacrylonitrile	7.34	41	85632m	74.394	ug/l	
42) 1,2-Dichloroethane	8.26	62	289714	91.082	ug/l	100
43) Isopropyl Acetate	8.29	43	342729	78.165	ug/l	99
44) Trichloroethene	8.96	130	282726	95.326	ug/l	99
45) 1,2-Dichloropropane	9.23	63	255182	89.013	ug/l	97
46) Dibromomethane	9.32	93	141074	91.079	ug/l	99
47) Bromodichloromethane	9.51	83	353845	94.906	ug/l	98
48) Methyl methacrylate	9.31	41	155287	77.613	ug/l	99
49) 1,4-Dioxane	9.32	88	36415	1693.085	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	825866	367.326	ug/l	99
52) Toluene	10.25	92	663857	91.514	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	381399	93.098	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	436779	92.488	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	202717	89.278	ug/l	99
56) Ethyl methacrylate	10.52	69	287550	84.485	ug/l	100
57) 1,3-Dichloropropane	10.80	76	352375	88.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	515199	423.362	ug/l	99
59) 2-Hexanone	10.84	43	602588	383.265	ug/l	100
60) Dibromochloromethane	10.99	129	243801	94.852	ug/l	100
61) 1,2-Dibromoethane	11.10	107	199610	92.481	ug/l	98
64) Tetrachloroethene	10.72	164	224476	97.508	ug/l	97
65) Chlorobenzene	11.52	112	697473	93.354	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	239179	93.795	ug/l	99
67) Ethyl Benzene	11.60	91	1255143	91.251	ug/l	98
68) m/p-Xylenes	11.71	106	936479	182.418	ug/l	100
69) o-Xylene	12.03	106	443759	89.965	ug/l	98
70) Styrene	12.05	104	767219	88.962	ug/l	100
71) Bromoform	12.21	173	136364	90.441	ug/l #	97
73) Isopropylbenzene	12.33	105	1224107	97.559	ug/l	100
74) N-amyl acetate	12.14	43	312887	79.396	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	231128	88.332	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	171815m	91.464	ug/l	
77) Bromobenzene	12.61	156	261379	94.384	ug/l	97
78) n-propylbenzene	12.67	91	1442876	95.841	ug/l	100
79) 2-Chlorotoluene	12.76	91	830233	96.411	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1009014	96.329	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	88358	89.161	ug/l	96
82) 4-Chlorotoluene	12.86	91	864020	94.280	ug/l	100
83) tert-Butylbenzene	13.08	119	858412	97.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	983315	93.602	ug/l	99
85) sec-Butylbenzene	13.25	105	1204843	96.309	ug/l	100
86) p-Isopropyltoluene	13.37	119	1030646	93.310	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	481268	90.669	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	492897	91.399	ug/l	99
89) n-Butylbenzene	13.70	91	1032123	93.147	ug/l	99
90) Hexachloroethane	13.96	117	207693	99.207	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	447086	91.499	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	39026	85.572	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	296349	89.983	ug/l	99
94) Hexachlorobutadiene	15.11	225	150946	93.591	ug/l	99
95) Naphthalene	15.23	128	673466	90.104	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	263916	91.750	ug/l	98

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

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