

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001844.D
 Acq On : 04 Mar 2020 11:11
 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
 3/5/2020 1:37:08 PM

Quant Time: Mar 04 17:35:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	172498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	313647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128168	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	35568	19.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.72%	
35) Dibromofluoromethane	7.74	113	33684	19.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.32%	
50) Toluene-d8	10.19	98	142071	19.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.38%	
62) 4-Bromofluorobenzene	12.49	95	48866	19.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	31944	20.379	ug/l	96
3) Chloromethane	2.13	50	43576	20.802	ug/l	100
4) Vinyl Chloride	2.27	62	44852	20.985	ug/l	98
5) Bromomethane	2.66	94	29888	21.342	ug/l	97
6) Chloroethane	2.81	64	27903	20.607	ug/l	96
7) Trichlorofluoromethane	3.15	101	58565	19.901	ug/l	96
8) Diethyl Ether	3.55	74	22927	20.040	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	38328	20.508	ug/l	100
10) Methyl Iodide	4.12	142	44845	20.675	ug/l	98
11) Tert butyl alcohol	4.99	59	19662	92.862	ug/l	97
12) 1,1-Dichloroethene	3.90	96	38658	20.494	ug/l	98
13) Acrolein	3.76	56	25942	101.133	ug/l	97
14) Allyl chloride	4.51	41	70077	20.769	ug/l	98
15) Acrylonitrile	5.20	53	57190	93.579	ug/l	98
16) Acetone	3.97	43	45841	87.385	ug/l	97
17) Carbon Disulfide	4.22	76	129418	20.489	ug/l	98
18) Methyl Acetate	4.51	43	25182	18.738	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	99923	19.554	ug/l	99
20) Methylene Chloride	4.75	84	43835	19.285	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	43852	20.556	ug/l	95
22) Diisopropyl ether	6.15	45	140930	20.697	ug/l	97
23) Vinyl Acetate	6.10	43	441221	98.661	ug/l	99
24) 1,1-Dichloroethane	6.05	63	76693	20.824	ug/l	99
25) 2-Butanone	7.02	43	71582	88.588	ug/l	100
26) 2,2-Dichloropropane	7.01	77	61791	20.181	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47572	20.534	ug/l	98
28) Bromochloromethane	7.36	49	33821	20.066	ug/l	99
29) Tetrahydrofuran	7.38	42	49272	92.626	ug/l	98
30) Chloroform	7.54	83	71122	20.371	ug/l	99
31) Cyclohexane	7.81	56	81796	20.603	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	60422	20.477	ug/l	98
36) 1,1-Dichloropropene	7.94	75	61379	20.835	ug/l	99
37) Ethyl Acetate	7.10	43	32726	18.652	ug/l	100
38) Carbon Tetrachloride	7.93	117	50984	20.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78859	20.026	ug/l	98
40) Benzene	8.18	78	179563	20.502	ug/l	100
41) Methacrylonitrile	7.35	41	15403m	7.419	ug/l	
42) 1,2-Dichloroethane	8.26	62	45767	20.246	ug/l	100
43) Isopropyl Acetate	8.30	43	60744	18.614	ug/l	100
44) Trichloroethene	8.96	130	43940	20.555	ug/l	94
45) 1,2-Dichloropropane	9.23	63	45518	20.595	ug/l	94
46) Dibromomethane	9.32	93	22491	19.641	ug/l	99
47) Bromodichloromethane	9.51	83	53970	20.390	ug/l	100
48) Methyl methacrylate	9.31	41	27707	18.735	ug/l	99
49) 1,4-Dioxane	9.31	88	5711	378.239	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	151566	90.129	ug/l	99
52) Toluene	10.25	92	108899	20.508	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	56436	19.523	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	69006	20.029	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32782	19.620	ug/l	98
56) Ethyl methacrylate	10.52	69	45860	18.836	ug/l	95
57) 1,3-Dichloropropane	10.80	76	58184	19.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	122055	123.575	ug/l	100
59) 2-Hexanone	10.84	43	106771	89.296	ug/l	99
60) Dibromochloromethane	10.99	129	34299	19.533	ug/l	100
61) 1,2-Dibromoethane	11.10	107	30327	19.421	ug/l	100
64) Tetrachloroethene	10.73	164	35647	20.898	ug/l	93
65) Chlorobenzene	11.52	112	111210	20.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36542	20.757	ug/l	99
67) Ethyl Benzene	11.60	91	212282	21.043	ug/l	99
68) m/p-Xylenes	11.71	106	154161	41.293	ug/l	99
69) o-Xylene	12.03	106	73368	20.894	ug/l	100
70) Styrene	12.05	104	126115	20.764	ug/l	99
71) Bromoform	12.22	173	17709	18.389	ug/l #	96
73) Isopropylbenzene	12.34	105	196587	20.424	ug/l	100
74) N-amyl acetate	12.15	43	55860	18.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38728	18.665	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	27643m	11.352	ug/l	
77) Bromobenzene	12.61	156	42447	20.769	ug/l	95
78) n-propylbenzene	12.68	91	245189	20.653	ug/l	100
79) 2-Chlorotoluene	12.76	91	134205	20.439	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	165473	20.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13243	17.778	ug/l	92
82) 4-Chlorotoluene	12.86	91	140117	20.604	ug/l	99
83) tert-Butylbenzene	13.08	119	138236	20.992	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	165123	20.954	ug/l	100
85) sec-Butylbenzene	13.26	105	202417	20.816	ug/l	100
86) p-Isopropyltoluene	13.38	119	175460	21.010	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	84070	20.937	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84678	20.979	ug/l	99
89) n-Butylbenzene	13.70	91	182447	21.178	ug/l	98
90) Hexachloroethane	13.97	117	32768	20.942	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	75433	20.828	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5492	17.014	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48203	20.397	ug/l	99
94) Hexachlorobutadiene	15.12	225	24403	21.229	ug/l	99
95) Naphthalene	15.25	128	104864	18.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42264	20.244	ug/l	99

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

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