

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY002999.D
 Acq On : 29 Jun 2020 11:08
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:01 PM

Quant Time: Jun 29 17:49:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	486126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	719006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	660188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	349235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	24139	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
35) Dibromofluoromethane	7.73	113	21714	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
50) Toluene-d8	10.18	98	81368	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.48	95	29682	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	20079	5.454	ug/l	96
3) Chloromethane	2.12	50	33994	6.305	ug/l	98
4) Vinyl Chloride	2.26	62	25850	4.916	ug/l	94
5) Bromomethane	2.65	94	17649	4.943	ug/l	94
6) Chloroethane	2.80	64	16727	5.000	ug/l	100
7) Trichlorofluoromethane	3.13	101	37595	5.065	ug/l	95
8) Diethyl Ether	3.53	74	13075	5.138	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	22069	4.980	ug/l	98
10) Methyl Iodide	4.10	142	24920	4.535	ug/l	99
11) Tert butyl alcohol	4.96	59	14859	30.198	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	21378	5.070	ug/l	96
13) Acrolein	3.74	56	12281	27.789	ug/l	99
14) Allyl chloride	4.49	41	34141	4.637	ug/l	97
15) Acrylonitrile	5.18	53	33702	25.699	ug/l	98
16) Acetone	3.96	43	28376	24.919	ug/l	91
17) Carbon Disulfide	4.20	76	66423	4.930	ug/l	97
18) Methyl Acetate	4.49	43	17455	5.690	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	59803	4.865	ug/l	99
20) Methylene Chloride	4.72	84	49430	7.777	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	23185	4.861	ug/l	98
22) Diisopropyl ether	6.13	45	76366	4.840	ug/l	98
23) Vinyl Acetate	6.07	43	249232	23.624	ug/l	99
24) 1,1-Dichloroethane	6.03	63	41855	4.856	ug/l	99
25) 2-Butanone	6.99	43	46745	25.842	ug/l	90
26) 2,2-Dichloropropane	6.99	77	40753	5.204	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	26833	5.016	ug/l	98
28) Bromochloromethane	7.34	49	18419	4.802	ug/l #	99
29) Tetrahydrofuran	7.35	42	30627	25.461	ug/l	99
30) Chloroform	7.51	83	42195	4.941	ug/l	97
31) Cyclohexane	7.78	56	47431	5.586	ug/l #	91
32) 1,1,1-Trichloroethane	7.71	97	38570	4.948	ug/l	98
36) 1,1-Dichloropropene	7.93	75	33838	4.886	ug/l	98
37) Ethyl Acetate	7.07	43	21716	5.215	ug/l #	79
38) Carbon Tetrachloride	7.90	117	35402	4.913	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	41762	4.863	ug/l	96
40) Benzene	8.16	78	91850	4.844	ug/l	96
41) Methacrylonitrile	7.33	41	12210m	2.391	ug/l	
42) 1,2-Dichloroethane	8.24	62	29408	4.903	ug/l	99
43) Isopropyl Acetate	8.28	43	38860	4.909	ug/l	98
44) Trichloroethene	8.94	130	27241	4.943	ug/l	96
45) 1,2-Dichloropropane	9.22	63	24917	4.885	ug/l	92
46) Dibromomethane	9.30	93	14326	5.028	ug/l	96
47) Bromodichloromethane	9.50	83	34641	4.966	ug/l	93
48) Methyl methacrylate	9.30	41	17332	4.810	ug/l	98
49) 1,4-Dioxane	9.30	88	3602	103.569	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	101555	24.821	ug/l	99
52) Toluene	10.24	92	59123	4.953	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	35011	4.787	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	40765	4.873	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	19263	4.866	ug/l	92
56) Ethyl methacrylate	10.51	69	26838	4.683	ug/l	98
57) 1,3-Dichloropropane	10.79	76	34658	4.987	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	75366	25.641	ug/l	96
59) 2-Hexanone	10.83	43	69773	24.397	ug/l	99
60) Dibromochloromethane	10.99	129	25296	4.993	ug/l	98
61) 1,2-Dibromoethane	11.09	107	19847	5.085	ug/l	97
64) Tetrachloroethene	10.72	164	27053	4.842	ug/l	98
65) Chlorobenzene	11.52	112	63614	4.887	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	24528	4.826	ug/l	97
67) Ethyl Benzene	11.59	91	114864	4.823	ug/l	98
68) m/p-Xylenes	11.70	106	84786	9.566	ug/l	100
69) o-Xylene	12.03	106	40258	4.820	ug/l	96
70) Styrene	12.04	104	67043	4.699	ug/l	99
71) Bromoform	12.20	173	16421	4.845	ug/l #	99
73) Isopropylbenzene	12.33	105	108163	4.732	ug/l	100
74) N-amyl acetate	12.14	43	35114	4.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	23491	5.093	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	17237m	2.888	ug/l	
77) Bromobenzene	12.61	156	29236	4.989	ug/l	95
78) n-propylbenzene	12.67	91	130114	4.734	ug/l	100
79) 2-Chlorotoluene	12.75	91	72529	4.727	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	89677	4.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	8089	4.553	ug/l	90
82) 4-Chlorotoluene	12.86	91	74991	4.694	ug/l	99
83) tert-Butylbenzene	13.08	119	80568	4.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	91629	4.741	ug/l	99
85) sec-Butylbenzene	13.25	105	111180	4.790	ug/l	100
86) p-Isopropyltoluene	13.37	119	100328	4.664	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	51818	4.736	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	51695	4.792	ug/l	92
89) n-Butylbenzene	13.70	91	97309	4.728	ug/l	100
90) Hexachloroethane	13.96	117	20364	4.768	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	46468	4.734	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4140	5.070	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	34997	4.798	ug/l	98
94) Hexachlorobutadiene	15.11	225	22651	4.923	ug/l	98
95) Naphthalene	15.23	128	65804	4.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	30779	4.860	ug/l	99

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

