

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001130.D
 Acq On : 02 Jan 2020 11:25
 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

apatel
 1/3/2020 11:12:10 AM

Quant Time: Jan 02 13:06:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	373128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	603288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	527808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	255322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	61513	17.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.14%	
35) Dibromofluoromethane	7.73	113	72818	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	
50) Toluene-d8	10.18	98	244909	17.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.90%	
62) 4-Bromofluorobenzene	12.48	95	104480	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	57063	17.552	ug/l	96
3) Chloromethane	2.11	50	34821	8.605	ug/l	97
4) Vinyl Chloride	2.26	62	35363	8.944	ug/l	99
5) Bromomethane	2.64	94	25538	10.374	ug/l	93
6) Chloroethane	2.79	64	23705	9.652	ug/l	88
7) Trichlorofluoromethane	3.13	101	97382	15.840	ug/l	91
8) Diethyl Ether	3.54	74	31274	12.850	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	56205	13.972	ug/l	98
10) Methyl Iodide	4.10	142	86411	15.100	ug/l	100
11) Tert butyl alcohol	4.97	59	24610	62.392	ug/l	97
12) 1,1-Dichloroethene	3.88	96	57342	14.032	ug/l	94
13) Acrolein	3.74	56	23276	51.330	ug/l	97
14) Allyl chloride	4.49	41	55671	8.914	ug/l	91
15) Acrylonitrile	5.18	53	64235	51.855	ug/l	97
16) Acetone	3.96	43	44126	55.199	ug/l	97
17) Carbon Disulfide	4.20	76	162140	12.082	ug/l	99
18) Methyl Acetate	4.49	43	28563	9.191	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	136753	12.812	ug/l	99
20) Methylene Chloride	4.73	84	63996	12.848	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	63806	13.735	ug/l	89
22) Diisopropyl ether	6.14	45	134042	10.663	ug/l	97
23) Vinyl Acetate	6.08	43	409468	51.731	ug/l	98
24) 1,1-Dichloroethane	6.04	63	90038	11.881	ug/l	97
25) 2-Butanone	7.00	43	100749	71.174	ug/l	99
26) 2,2-Dichloropropane	6.99	77	120019	18.853	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	95923	18.836	ug/l	99
28) Bromochloromethane	7.35	49	38016	13.177	ug/l	99
29) Tetrahydrofuran	7.37	42	67282	67.177	ug/l	97
30) Chloroform	7.52	83	135115	18.563	ug/l	96
31) Cyclohexane	7.80	56	122595	15.399	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	121060	19.141	ug/l	99
36) 1,1-Dichloropropene	7.93	75	107479	18.675	ug/l	100
37) Ethyl Acetate	7.09	43	49105	16.027	ug/l	97
38) Carbon Tetrachloride	7.91	117	111756	21.549	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	151918	19.784	ug/l	94
40) Benzene	8.17	78	329744	18.962	ug/l	100
41) Methacrylonitrile	7.33	41	24645m	19.209	ug/l	
42) 1,2-Dichloroethane	8.25	62	77105	18.666	ug/l	99
43) Isopropyl Acetate	8.28	43	88213	15.573	ug/l	100
44) Trichloroethene	8.95	130	100572	21.512	ug/l	93
45) 1,2-Dichloropropane	9.22	63	75415	17.664	ug/l	92
46) Dibromomethane	9.31	93	44001	19.752	ug/l	99
47) Bromodichloromethane	9.50	83	97847	19.030	ug/l	99
48) Methyl methacrylate	9.30	41	36881	15.366	ug/l	98
49) 1,4-Dioxane	9.30	88	12509	384.536	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	221950	76.399	ug/l	99
52) Toluene	10.25	92	208212	19.599	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	104799	18.845	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	127761	19.256	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	66370	19.787	ug/l	96
56) Ethyl methacrylate	10.51	69	84763	18.128	ug/l	99
57) 1,3-Dichloropropane	10.79	76	105631	18.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	153929	85.966	ug/l	100
59) 2-Hexanone	10.83	43	155420	76.315	ug/l	99
60) Dibromochloromethane	10.99	129	75400	20.750	ug/l	98
61) 1,2-Dibromoethane	11.09	107	65083	20.210	ug/l	98
64) Tetrachloroethene	10.72	164	103937	22.046	ug/l	96
65) Chlorobenzene	11.52	112	223918	20.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	80344	21.696	ug/l	98
67) Ethyl Benzene	11.59	91	398742	20.013	ug/l	100
68) m/p-Xylenes	11.70	106	316238	41.615	ug/l	100
69) o-Xylene	12.03	106	146466	20.490	ug/l	97
70) Styrene	12.04	104	254591	20.942	ug/l	99
71) Bromoform	12.20	173	46845	22.743	ug/l #	97
73) Isopropylbenzene	12.33	105	387738	19.447	ug/l	100
74) N-amyl acetate	12.14	43	74304	14.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	67450	17.582	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	62296m	19.866	ug/l	
77) Bromobenzene	12.61	156	92968	20.579	ug/l	99
78) n-propylbenzene	12.67	91	459132	18.966	ug/l	100
79) 2-Chlorotoluene	12.75	91	253799	19.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	326604	19.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	25412	17.449	ug/l	96
82) 4-Chlorotoluene	12.85	91	263502	19.090	ug/l	99
83) tert-Butylbenzene	13.08	119	272395	19.665	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	319888	19.503	ug/l	98
85) sec-Butylbenzene	13.25	105	382560	18.896	ug/l	98
86) p-Isopropyltoluene	13.37	119	355494	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	174958	20.276	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	175187	20.111	ug/l	99
89) n-Butylbenzene	13.69	91	328495	18.822	ug/l	100
90) Hexachloroethane	13.96	117	65411	19.901	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	159500	20.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11923	18.661	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	110842	20.615	ug/l	99
94) Hexachlorobutadiene	15.11	225	56659	21.872	ug/l	96
95) Naphthalene	15.23	128	245475	19.616	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	98512	20.546	ug/l	99

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

