

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032620\
 Data File : VY002087.D
 Acq On : 26 Mar 2020 15:48
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 3/27/2020 4:13:54 PM

Quant Time: Mar 27 06:42:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 04:05:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	164561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	295356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	266289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	123102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	17864	10.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	20.12%	
35) Dibromofluoromethane	7.73	113	16454	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
50) Toluene-d8	10.18	98	68734	10.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.08%	
62) 4-Bromofluorobenzene	12.49	95	24052	10.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	17200	11.937	ug/l	98
3) Chloromethane	2.12	50	22088	11.040	ug/l	96
4) Vinyl Chloride	2.26	62	22211	10.916	ug/l	100
5) Bromomethane	2.66	94	14972	10.984	ug/l	92
6) Chloroethane	2.80	64	13656	10.551	ug/l	94
7) Trichlorofluoromethane	3.14	101	28411	10.202	ug/l	99
8) Diethyl Ether	3.54	74	11883	10.736	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	18628	10.351	ug/l	99
10) Methyl Iodide	4.10	142	20734	9.977	ug/l	100
11) Tert butyl alcohol	4.97	59	12253	57.309	ug/l #	81
12) 1,1-Dichloroethene	3.88	96	18780	10.368	ug/l	94
13) Acrolein	3.74	56	12330	47.955	ug/l	98
14) Allyl chloride	4.50	41	33382	10.294	ug/l	99
15) Acrylonitrile	5.19	53	31694	53.550	ug/l	99
16) Acetone	3.97	43	28136	55.377	ug/l	99
17) Carbon Disulfide	4.21	76	61769	10.158	ug/l	100
18) Methyl Acetate	4.49	43	14263	10.930	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	50464	10.218	ug/l	99
20) Methylene Chloride	4.73	84	29404	13.453	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	20719	10.032	ug/l	93
22) Diisopropyl ether	6.13	45	69719	10.476	ug/l	95
23) Vinyl Acetate	6.07	43	227948	52.387	ug/l	100
24) 1,1-Dichloroethane	6.04	63	36775	10.239	ug/l	99
25) 2-Butanone	7.00	43	42985	55.608	ug/l	97
26) 2,2-Dichloropropane	6.99	77	30874	10.450	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	22733	10.108	ug/l	99
28) Bromochloromethane	7.35	49	16221	9.894	ug/l	100
29) Tetrahydrofuran	7.36	42	27422	53.297	ug/l	99
30) Chloroform	7.52	83	34157	10.127	ug/l	96
31) Cyclohexane	7.80	56	40477	10.540	ug/l #	85
32) 1,1,1-Trichloroethane	7.72	97	28693	10.108	ug/l	98
36) 1,1-Dichloropropene	7.93	75	29276	10.389	ug/l	100
37) Ethyl Acetate	7.10	43	17950	10.990	ug/l	98
38) Carbon Tetrachloride	7.91	117	24757	10.255	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	38952	10.404	ug/l	99
40) Benzene	8.17	78	86605	10.353	ug/l	96
41) Methacrylonitrile	7.33	41	8795m	11.558	ug/l	
42) 1,2-Dichloroethane	8.25	62	23333	10.811	ug/l	99
43) Isopropyl Acetate	8.28	43	33270	10.718	ug/l	99
44) Trichloroethene	8.95	130	20813	10.204	ug/l	98
45) 1,2-Dichloropropane	9.22	63	21841	10.363	ug/l	96
46) Dibromomethane	9.32	93	11102	10.223	ug/l	99
47) Bromodichloromethane	9.50	83	25198	9.963	ug/l	96
48) Methyl methacrylate	9.30	41	14928	10.918	ug/l	99
49) 1,4-Dioxane	9.31	88	3158	213.064	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	86694	54.250	ug/l	99
52) Toluene	10.25	92	51358	10.112	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	28187	10.239	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	33857	10.331	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	16486	10.353	ug/l	99
56) Ethyl methacrylate	10.52	69	23416	10.109	ug/l	97
57) 1,3-Dichloropropane	10.80	76	28940	10.207	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	61405	62.173	ug/l	99
59) 2-Hexanone	10.84	43	62654	55.070	ug/l	100
60) Dibromochloromethane	10.99	129	16996	10.176	ug/l	99
61) 1,2-Dibromoethane	11.10	107	15532	10.324	ug/l	93
64) Tetrachloroethene	10.72	164	17042	10.247	ug/l	99
65) Chlorobenzene	11.52	112	53179	10.126	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	17999	10.434	ug/l	98
67) Ethyl Benzene	11.60	91	99040	10.095	ug/l	96
68) m/p-Xylenes	11.71	106	72842	20.118	ug/l	98
69) o-Xylene	12.03	106	34676	10.151	ug/l	97
70) Styrene	12.05	104	58698	10.026	ug/l	98
71) Bromoform	12.21	173	9272	9.928	ug/l #	94
73) Isopropylbenzene	12.33	105	92607	9.884	ug/l	99
74) N-amyl acetate	12.14	43	30470	10.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	20648	10.249	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	14036m	9.512	ug/l	
77) Bromobenzene	12.61	156	20350	10.211	ug/l	98
78) n-propylbenzene	12.67	91	115976	10.022	ug/l	98
79) 2-Chlorotoluene	12.76	91	63898	9.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	76346	9.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	7046	9.795	ug/l	93
82) 4-Chlorotoluene	12.86	91	66670	10.005	ug/l	98
83) tert-Butylbenzene	13.08	119	63197	9.811	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	77530	10.114	ug/l	98
85) sec-Butylbenzene	13.26	105	97747	10.321	ug/l	99
86) p-Isopropyltoluene	13.37	119	84569	10.347	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	40320	10.353	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	41173	10.429	ug/l	98
89) n-Butylbenzene	13.70	91	86445	10.189	ug/l	99
90) Hexachloroethane	13.97	117	14838	9.625	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	36840	10.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3197	10.151	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	23188	10.117	ug/l	97
94) Hexachlorobutadiene	15.11	225	11783	10.481	ug/l	96
95) Naphthalene	15.24	128	56027	10.304	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	21557	10.628	ug/l	98

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

