

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001795.D
 Acq On : 28 Feb 2020 11:24
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:56 AM

Quant Time: Feb 28 13:25:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	173015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	93820	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.75	113	87800	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.20	98	362915	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.50	95	128974	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29538	17.514	ug/l	94
3) Chloromethane	2.13	50	41261	18.189	ug/l	100
4) Vinyl Chloride	2.27	62	42382	18.524	ug/l	95
5) Bromomethane	2.66	94	28707	20.075	ug/l	91
6) Chloroethane	2.81	64	27412	19.442	ug/l	97
7) Trichlorofluoromethane	3.15	101	58468	19.966	ug/l	99
8) Diethyl Ether	3.55	74	24352	21.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37701	20.483	ug/l	100
10) Methyl Iodide	4.13	142	43651	19.378	ug/l	100
11) Tert butyl alcohol	5.00	59	29215	122.601	ug/l #	93
12) 1,1-Dichloroethene	3.91	96	37830	20.152	ug/l	95
13) Acrolein	3.77	56	15708	83.573	ug/l	96
14) Allyl chloride	4.52	41	68589	20.530	ug/l	99
15) Acrylonitrile	5.21	53	65356	110.452	ug/l	99
16) Acetone	3.98	43	58805	91.321	ug/l	95
17) Carbon Disulfide	4.22	76	115792	18.476	ug/l	99
18) Methyl Acetate	4.52	43	33652	23.997	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	107827	20.630	ug/l	100
20) Methylene Chloride	4.76	84	48082	21.022	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	43525	20.322	ug/l	92
22) Diisopropyl ether	6.16	45	143042	20.848	ug/l	98
23) Vinyl Acetate	6.10	43	454107	101.467	ug/l	99
24) 1,1-Dichloroethane	6.06	63	75822	20.676	ug/l	100
25) 2-Butanone	7.02	43	87117	99.589	ug/l	99
26) 2,2-Dichloropropane	7.02	77	63669	19.956	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	49507	20.941	ug/l	97
28) Bromochloromethane	7.36	49	29937	19.598	ug/l	96
29) Tetrahydrofuran	7.38	42	55710	105.367	ug/l	100
30) Chloroform	7.54	83	73239	20.440	ug/l	97
31) Cyclohexane	7.81	56	77326	19.777	ug/l #	91
32) 1,1,1-Trichloroethane	7.73	97	61079	20.282	ug/l	99
36) 1,1-Dichloropropene	7.95	75	58990	19.804	ug/l	99
37) Ethyl Acetate	7.10	43	36579	20.574	ug/l	99
38) Carbon Tetrachloride	7.93	117	52128	19.923	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	78257	19.803	ug/l	98
40) Benzene	8.19	78	179179	20.453	ug/l	96
41) Methacrylonitrile	7.35	41	18042m	20.211	ug/l	
42) 1,2-Dichloroethane	8.27	62	48134	20.168	ug/l	100
43) Isopropyl Acetate	8.30	43	68996	20.454	ug/l	99
44) Trichloroethene	8.96	130	44196	20.209	ug/l	97
45) 1,2-Dichloropropane	9.24	63	46390	21.144	ug/l	98
46) Dibromomethane	9.33	93	23896	20.823	ug/l	98
47) Bromodichloromethane	9.52	83	56042	20.235	ug/l	99
48) Methyl methacrylate	9.32	41	30259	19.834	ug/l	97
49) 1,4-Dioxane	9.32	88	6526	402.638	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	181792	104.891	ug/l	99
52) Toluene	10.26	92	110781	20.272	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	61760	20.171	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	72212	20.492	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	35701	21.098	ug/l	99
56) Ethyl methacrylate	10.52	69	51714	20.372	ug/l	99
57) 1,3-Dichloropropane	10.81	76	63076	20.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	135831	133.361	ug/l	100
59) 2-Hexanone	10.85	43	128370	98.715	ug/l	99
60) Dibromochloromethane	11.00	129	37534	20.119	ug/l	98
61) 1,2-Dibromoethane	11.11	107	33366	20.854	ug/l	99
64) Tetrachloroethene	10.74	164	34953	19.899	ug/l	94
65) Chlorobenzene	11.53	112	113777	20.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	38180	20.261	ug/l	99
67) Ethyl Benzene	11.61	91	214974	20.737	ug/l	99
68) m/p-Xylenes	11.72	106	160082	41.338	ug/l	97
69) o-Xylene	12.04	106	75073	20.392	ug/l	98
70) Styrene	12.06	104	130012	20.320	ug/l	99
71) Bromoform	12.22	173	20597	19.126	ug/l #	97
73) Isopropylbenzene	12.35	105	200744	20.106	ug/l	100
74) N-amyl acetate	12.16	43	63739	20.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	44986	21.102	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	34530m	22.968	ug/l	
77) Bromobenzene	12.63	156	43888	20.277	ug/l	96
78) n-propylbenzene	12.69	91	250706	20.617	ug/l	100
79) 2-Chlorotoluene	12.77	91	137986	20.232	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	170456	20.624	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15831	19.977	ug/l	96
82) 4-Chlorotoluene	12.87	91	146582	20.378	ug/l	98
83) tert-Butylbenzene	13.09	119	140301	20.297	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	168196	20.413	ug/l	99
85) sec-Butylbenzene	13.27	105	210588	20.714	ug/l	99
86) p-Isopropyltoluene	13.39	119	181705	20.574	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	87601	20.869	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	86658	20.423	ug/l	98
89) n-Butylbenzene	13.71	91	185543	20.560	ug/l	99
90) Hexachloroethane	13.97	117	33812	20.320	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	79902	20.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	6683	18.995	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51092	19.903	ug/l	97
94) Hexachlorobutadiene	15.13	225	25368	19.870	ug/l	98
95) Naphthalene	15.25	128	121107	20.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	45446	20.123	ug/l	100

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

